

## Melanoma-associated antigen 4 (MAGEA4) Active Protein | MAGEA4 active protein

Recombinant Human Melanoma-associated antigen 4 (MAGEA4)(Active)

CATALOG #  
**AAA279219**

HOST  
**Mammalian cell**

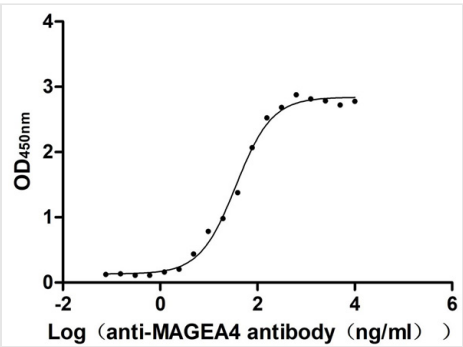
### PRODUCT SYNONYMS

Melanoma-associated antigen 4 (MAGEA4); Recombinant Human Melanoma-associated antigen 4 (MAGEA4)(Active); Cancer/testis antigen 1.4; CT1.4; MAGE-4 antigen; MAGE-41 antigen; MAGE-X2 antigen; MAGEA4 active protein

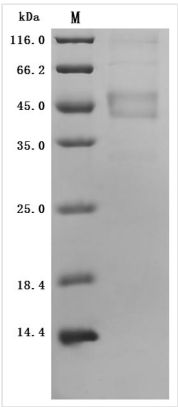
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Purity/Purification     | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Form/Format             | Lyophilized powder<br>Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence Positions      | 1-317aa; Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence                | MSSEQKSQHC KPEEGVEAQE EALGLVGAQA PTTEEQEA AV SSSSPLVPGT LEEVPAESA GPPQSPQGAS<br>ALPTTISFTC WRQPNEGSSS QEEEGPSTSP DAESLFREAL SNKVDELAHF LLRKYRAKEL VTKAEMLERV<br>IKNYKRCFPV IFGKASESLK MIFGIDVKEV DPASNTYTLV TCLGLSYDGL LGNNQIFPKT GLLIIVLGTI<br>AMEGDSASEE EIWEELGVMG VYDGREHTVY GEPRKLLTQD WVQENYLEYR QVPGSNPARY EFLWGPRALA<br>ETSYVKVLEH VVRVNARVRI AYP SLREAAL LEEEEGV\$                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Species                 | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tag                     | C-terminal 10xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Endotoxin               | Less than 1.0 EU/ug as determined by LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Research Area           | Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Biological Activity     | Measured by its binding ability in a functional ELISA. Immobilized Human MAGEA4 at 2 ug/ml can bind anti-MAGEA4 recombinant antibody, the EC50 is 30.33-43.10 ng/mL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C.<br>Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |

IMAGES



**Bioactivity**  
Measured by its binding ability in a functional ELISA. Immobilized Human MAGEA4 at 2 ?g/ml can bind anti-MAGEA4 recombinant antibody, the EC50 is 30.33-43.10 ng/mL.



**SDS-PAGE**  
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                             |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MAGEA4 active protein | Regulates cell proliferation through the inhibition of cell cycle arrest at the G1 phase. Also negatively regulates p53-mediated apoptosis. |
| Product Categories/Family for MAGEA4 active protein   | Active Protein & In Stock Protein                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 58530867                                                                                                                                                                           |
| NCBI GeneID                      | 4103                                                                                                                                                                               |
| NCBI Accession #                 | NP_001011548.1                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_001011548.1                                                                                                                                                                     |
| UniProt Accession #              | P43358; Q14798                                                                                                                                                                     |
| NCBI Official Full Name          | melanoma-associated antigen 4                                                                                                                                                      |
| NCBI Official Synonym Full Names | melanoma antigen family A4                                                                                                                                                         |
| NCBI Official Symbol             | MAGEA4                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | CT1.4; MAGE4; MAGE4A; MAGE4B; MAGE-41; MAGE-X2                                                                                                                                     |
| NCBI Protein Information         | melanoma-associated antigen 4; MAGE-4 antigen; MAGE-41 antigen; MAGE-X2 antigen; cancer/testis antigen 1.4; cancer/testis antigen family 1, member 4; melanoma antigen family A, 4 |
| UniProt Protein Name             | Melanoma-associated antigen 4                                                                                                                                                      |
| UniProt Gene Name                | MAGEA4                                                                                                                                                                             |
| UniProt Synonym Gene Names       | MAGE4; CT1.4                                                                                                                                                                       |
| UniProt Entry Name               | MAGA4_HUMAN                                                                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.