

## OX40/TNFRSF4 active protein

Recombinant human OX40/TNFRSF4 protein

|                              |                            |                                 |
|------------------------------|----------------------------|---------------------------------|
| CATALOG #<br><b>AAA48407</b> | HOST<br><b>Baculovirus</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|----------------------------|---------------------------------|

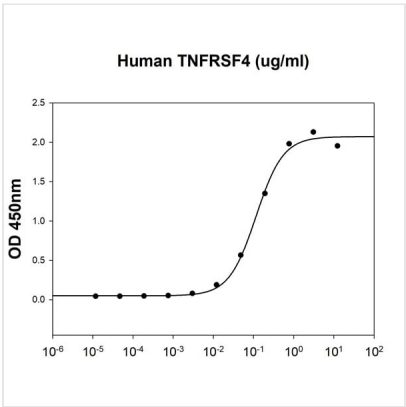
### PRODUCT SYNONYMS

OX40/TNFRSF4; Recombinant human OX40/TNFRSF4 protein; Tumor necrosis factor receptor superfamily member 4; TNFRSF4; ACT35; CD134; IMD16; OX40; TXGP1L; ACT35 antigen; OX40L receptor; TAX transcriptionally-activated glycoprotein 1 receptor; OX40/TNFRSF4 active protein

### PRODUCT SPECIFICATIONS

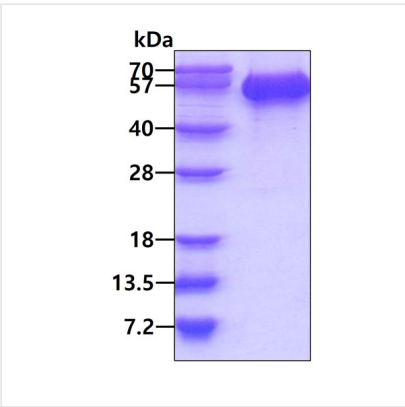
|                                                            |                                                                                                                                                                                                                    |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                       | Baculovirus                                                                                                                                                                                                        |
| Purity/Purification                                        | >90% by SDS-PAGE                                                                                                                                                                                                   |
| Form/Format                                                | Liquid. In Phosphate-Buffered Saline (pH7.4) containing 10% glycerol                                                                                                                                               |
| Concentration                                              | 0.5mg/ml (determined by absorbance at 280nm) (varies by lot)                                                                                                                                                       |
| Sequence Positions                                         | 29-214aa                                                                                                                                                                                                           |
| Sequence                                                   | LHCVGDTYPS NDRCCHECRP GNGMVSRCRS SQNTVCRPCG PGFYNDVVSS KPCKPCTWCN LRSGSERKQL<br>CTATQDTVCR CRAGTQPLDS YKPGVDCAPC PPGHFSPGDN QACKPWTNCT LAGKHTLQPA SNSSDAICED<br>RDPPATQPQE TQGPPARPIT VQPTEAWPRT SQGPSTRPVE VPGGRA |
| Applicable Applications for<br>OX40/TNFRSF4 active protein | Bioactivity, SDS-PAGE                                                                                                                                                                                              |
| Endotoxin                                                  | <1 EU per 1ug of protein (determined by LAL method)                                                                                                                                                                |
| Species                                                    | Human                                                                                                                                                                                                              |
| Tag                                                        | hIgG-His-Tag                                                                                                                                                                                                       |
| Predicted N-term                                           | Leu29                                                                                                                                                                                                              |
| Bioactivity                                                | Measured by its binding ability in a functional ELISA with mouse OX40 Ligand/TNFSF4. The ED50 range <= 0.15ug/ml.                                                                                                  |
| Preparation and Storage                                    | Can be stored at +2C to +8 degree C for 1 week. For long term storage, aliquot and store at -20C to -80 degree C. Avoid repeated freezing and thawing cycles.                                                      |

IMAGES



Bioactivity

Mouse OX40 Ligand/TNFSF4 (CAT# ATGP4022) is coated at 1 ug/ml (100 ul/well) can bind Human TNFRSF4. The ED50 range



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for OX40/TNFRSF4 active protein | TNFRSF4, also known as tumor necrosis factor receptor superfamily member 4, is a T cell co-stimulatory molecule in the TNF receptor superfamily. This protein coordinates with other co-stimulatory substances (CD28, CD40, CD30, CD27 and 4-1BB) to control the activation of the immune response. It plays an important role in antigen-specific T cell expansion and survival. It is up-regulated on CD4+ and CD8+ T cells upon engagement of the TCR by antigen presenting cells along with co-stimulation by CD40-CD40 Ligand and CD28-B7. This protein also regulates cytokine production from T cells, antigen presenting cells, natural killer cells and natural killer cells and regulate cytokine receptor signaling. Recombinant human TNFRSF4, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| Product Categories/Family for OX40/TNFRSF4 active protein   | Immunology; Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| References                                                  | Hori, T., et al. (2006) Int. J. Hematol. 83:17-22. Moran, A.E., et al. (2013) Curr. Opin. Immunol. 25:230-237.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 4507579                                             |
| NCBI GeneID                      | 7293                                                |
| NCBI Accession #                 | NP_003318.1                                         |
| NCBI GenBank Nucleotide #        | NM_003327.3                                         |
| UniProt Accession #              | P43489; Q13663; Q2M312; Q5T7M0                      |
| Molecular Weight                 | 29,341 Da                                           |
| NCBI Official Full Name          | tumor necrosis factor receptor superfamily member 4 |
| NCBI Official Synonym Full Names | TNF receptor superfamily member 4                   |
| NCBI Official Symbol             | TNFRSF4                                             |
| NCBI Official Synonym Symbols    | OX40; ACT35; CD134; IMD16; TXGP1L                   |
| NCBI Protein Information         | tumor necrosis factor receptor superfamily member 4 |
| UniProt Protein Name             | Tumor necrosis factor receptor superfamily member 4 |
| UniProt Gene Name                | TNFRSF4                                             |
| UniProt Synonym Gene Names       | TXGP1L                                              |

**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.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/ox40-tnfrsf4/48407>