

## Beta-2-Microglobulin (b2M) Protein | b2M protein

Eukaryotic Beta-2-Microglobulin (b2M)

|                               |                          |                                               |
|-------------------------------|--------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA147097</b> | HOST<br><b>293F cell</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|--------------------------|-----------------------------------------------|

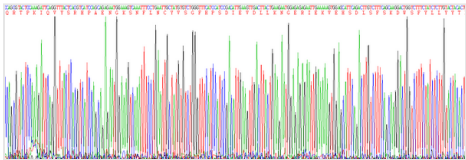
### PRODUCT SYNONYMS

Beta-2-Microglobulin (b2M); Eukaryotic Beta-2-Microglobulin (b2M); BMG; B2MG; b2M protein

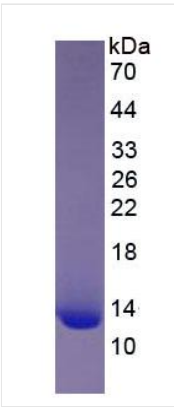
### PRODUCT SPECIFICATIONS

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                    | 293F cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification                     | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Form/Format                             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence Length                         | 119                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for b2M protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Fragment                                | Gln22~Met119                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tag                                     | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Buffer Formulation                      | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                                                          |
| Source Note                             | Eukaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Organism Species                        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Endotoxin Level                         | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isoelectric Point                       | 6.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Subcellular Location                    | Secreted, Amyloid                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Usage                                   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                 | <p>Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.</p> <p>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |

IMAGES



Application Data



SDS-PAGE

QRTPKIQVY SRHPAENGKS NFLNCYVSGF  
HPSDIEVDLL KNGERIEKVE HSDLFSKDW SFYLLYYTEF TPTEKDEYAC  
RVNHVTLSP KIVKMDRDM

Sequence

ADDITIONAL INFORMATION

|                                           |                     |
|-------------------------------------------|---------------------|
| Product Categories/Family for b2M protein | Eukaryotic proteins |
|-------------------------------------------|---------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 4757826                                                |
| NCBI GeneID                      | 567                                                    |
| NCBI Accession #                 | NP_004039.1                                            |
| NCBI GenBank Nucleotide #        | NM_004048.2                                            |
| UniProt Accession #              | P61769; P01884; Q540F8; Q6IAT8; Q9UCK0; Q9UD48; Q9UDF4 |
| Molecular Weight                 | 13.2kDa; 13kDa                                         |
| NCBI Official Full Name          | beta-2-microglobulin                                   |
| NCBI Official Synonym Full Names | beta-2-microglobulin                                   |
| NCBI Official Symbol             | B2M                                                    |
| NCBI Official Synonym Symbols    | IMD43                                                  |
| NCBI Protein Information         | beta-2-microglobulin                                   |
| UniProt Protein Name             | Beta-2-microglobulin                                   |
| UniProt Gene Name                | B2M                                                    |

**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.