

## Beta-2-microglobulin Native Protein | B2M native protein

Human Beta-2-microglobulin protein

|                              |                                          |                                                      |
|------------------------------|------------------------------------------|------------------------------------------------------|
| CATALOG #<br><b>AAA81638</b> | HOST<br><b>Purified from human urine</b> | APPLICATIONS<br><b>Western Blot, ELISA, SDS-Page</b> |
|------------------------------|------------------------------------------|------------------------------------------------------|

### PRODUCT SYNONYMS

Beta-2-microglobulin; Human Beta-2-microglobulin protein; Full length native Beta-2-microglobulin protein; B2M native protein

### PRODUCT SPECIFICATIONS

|                                                |                                                                                         |
|------------------------------------------------|-----------------------------------------------------------------------------------------|
| Host                                           | Purified from human urine                                                               |
| Purity/Purification                            | Greater or equal to 85% purity as determined by SDS-PAGE.                               |
| Form/Format                                    | Liquid                                                                                  |
| Applicable Applications for B2M native protein | WB (Western Blot), ELISA, SDS-PAGE                                                      |
| Peptide                                        | Full length native Beta-2-microglobulin protein                                         |
| Storage Buffer                                 | PBS                                                                                     |
| Preparation and Storage                        | Aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze / thaw cycles. |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for B2M native protein | Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system. Defects in B2M are the cause of hypercatabolic hypoproteinemia (HYCATHYP) . Affected individuals show marked reduction in serum concentrations of immunoglobulin and albumin, probably due to rapid degradation. |
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### NCBI AND UNIPROT INFORMATION

|             |        |
|-------------|--------|
| NCBI GI #   | 179318 |
| NCBI GeneID | 567    |

|                                  |                                                                               |
|----------------------------------|-------------------------------------------------------------------------------|
| UniProt Accession #              | P61769; P01884; Q540F8; Q6IAT8; Q9UCK0; Q9UD48; Q9UDF4                        |
| Molecular Weight                 | 13,715 Da                                                                     |
| NCBI Official Full Name          | beta-2-microglobulin                                                          |
| NCBI Official Synonym Full Names | beta-2-microglobulin                                                          |
| NCBI Official Symbol             | B2M                                                                           |
| NCBI Protein Information         | beta-2-microglobulin; beta-2-microglobin; beta chain of MHC class I molecules |
| UniProt Protein Name             | Beta-2-microglobulin                                                          |
| UniProt Gene Name                | <b>B2M</b>                                                                    |
| UniProt Entry Name               | B2MG_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.

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Online datasheet: <https://www.aaabiotech.com/human-native-protein/beta-2-microglobulin/81638>