

For Research Use Only

Recombinant Human B2M protein (mFc Tag)



Catalog Number: Eg2284

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <1.0 EU/µg protein, LAL method</p> <p>Source: HEK293-derived Human B2M protein Ile21-Met119 (Accession# P61769) with a mouse IgG Fc tag at the C-terminus.</p> <p>GeneID: 567</p> <p>Accession: P61769</p> <p>Predicted Molecular Mass: 38.4 kDa</p> <p>SDS-PAGE:</p> <p>Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Beta-2-microglobulin (B2M) is an important component of the major histocompatibility complex class I (MHC-I) molecule that is expressed on the surface of almost all nucleated cells. B2M has been suggested as an emerging biomarker for cardiovascular diseases (CVD), including coronary heart disease (CHD) and stroke, and mortality. B2M also complexes with many non-classical MHC-I like molecules such as CD1, MR1, HLA-E, -F, -G and neonatal Fc receptor that are involved in mucosal immunity, tumour surveillance, immunoglobulin and albumin homeostasis.</p>		
References	<ol style="list-style-type: none">1. Berggård, I, and A G Bearn. The Journal of biological chemistry vol. 243,15 (1968): 4095-103.2. Shi, Fanchao et al. Atherosclerosis vol. 320 (2021): 70-78.3. Argyropoulos, Christos P et al. Frontiers in medicine vol. 4 73.		
Synonyms	Beta-2-microglobulin, beta 2 microglobulin, beta 2-Microglobulin, Beta-2-microglobulin form pl 5.3, CDABP0092		

For technical support and original validation data for this product please contact

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