

Human B2M/beta 2-Microglobulin Protein

Cat. No. B2M-HM201

Description

Source	Recombinant Human B2M/beta 2-Microglobulin Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ile21-Met119.
Accession	P61769-1
Molecular Weight	The protein has a predicted MW of 38.4 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

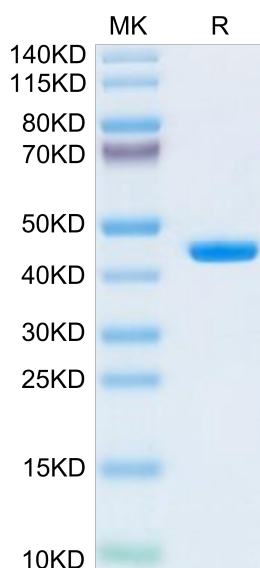
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

To assess whether beta-2 microglobulin (B2M) has effects on articular chondrocytes that would implicate B2M involvement in osteoarthritis (OA) pathogenesis. The average B2M level in OA synovial fluid is significantly higher than that found in normal synovial fluid. B2M is highly expressed in OA cartilage and synovial fluid compared to normal, and suggest that B2M may have effects on chondrocyte function that could contribute to OA pathogenesis.

Assay Data

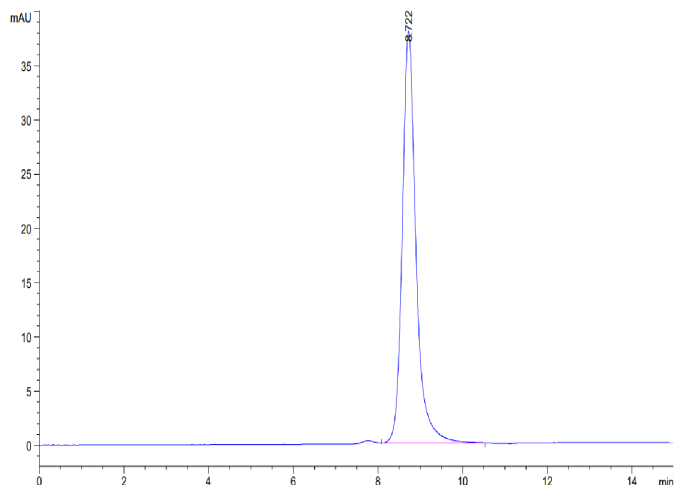
Bis-Tris PAGE



Human B2M on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human B2M is greater than 95% as determined by SEC-HPLC.