Rev03
Update: Aug,08,2025

DATASHEET

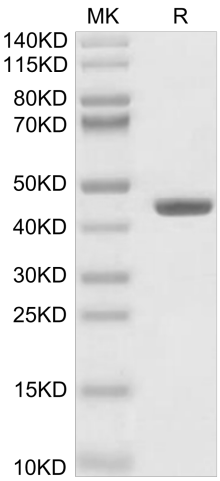
B2M/beta 2-Microglobulin hFc Chimera, Human

Cat. No.: Z05050

Product Introduction

Species	Human
Protein Construction	B2M/beta 2-Microglobulin (Ile21-Met119) Accession # P61769-1 — hFc N-term — C-term
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per μg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	38.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



B2M/beta 2-Microglobulin hFc Chimera, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

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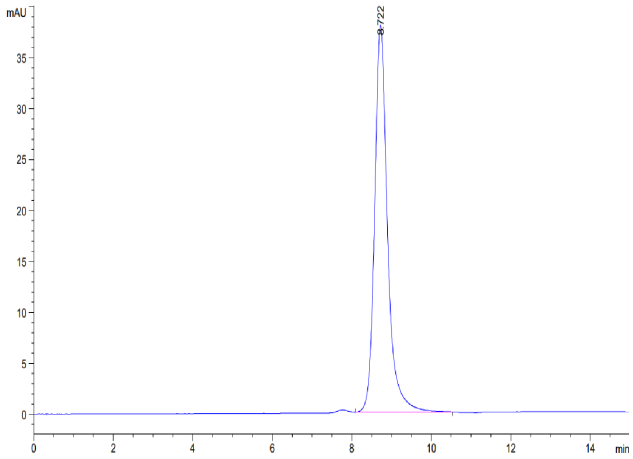

The purity of B2M/beta 2-Microglobulin hFc Chimera, Human is greater than 95% as determined by SEC-HPLC.

Background

Target 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.

Synonyms : Beta-2-microglobulin;B2M;β-2-microglobulin

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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