Recombinant Full Length Human B2M Protein, C-Flag-tagged

Cat. No. B2M-1240HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human B2M Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. The encoded antimicrobial protein displays antibacterial activity in amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	11.7 kDa
AA Sequence	MSRSVALAVLALLSLSGLEAIQRTPKIQVYSRHPAENGKSNFLNCYVSGFHPSDIEVD LLKNGERIEKVEHSDLSFSKDWSFYLLYYTEFTPTEKDEYACRVNHVTLSQPKIVKW DRDM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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	handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Protein Pathways	Antigen processing and presentation
Full Length	Full L.

GENE INFORMATION

Gene Name	B2M beta-2-microglobulin [Homo sapiens (human)
Official Symbol	B2M
Synonyms	IMD43
Gene ID	567
mRNA Refseq	NM_004048.4
Protein Refseq	NP_004039.1
MIM	109700

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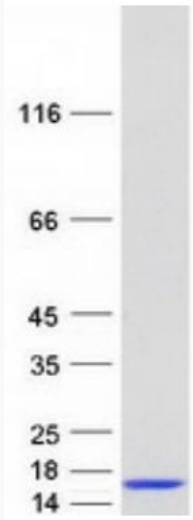
UniProt ID	P61769



Coomassie blue staining of purified B2M protein.

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