

Product datasheet for **TP710178**

beta 2 Microglobulin (B2M) (NM_004048) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human beta-2-microglobulin (B2M), residues 21-119aa, secretory expressed with GP67 signal peptide, with C-terminal DDK tag, expressed in sf9, 20ug
Species:	Human
Expression Host:	Sf9
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC207587, encoding the region(Met-Ile21-Met119) of Homo sapiens B2M
Tag:	C-DDK
Predicted MW:	12 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, 100 mM glycine, pH 8.0, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004039
Locus ID:	567
UniProt ID:	P61769
RefSeq Size:	987
Cytogenetics:	15q21.1
RefSeq ORF:	357
Synonyms:	IMD43



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Summary:

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.[provided by RefSeq, Aug 2014]

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Antigen processing and presentation

Product images: