

## Product datasheet for **TP307587L**

### beta 2 Microglobulin (B2M) (NM\_004048) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human beta-2-microglobulin (B2M), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207587 representing NM_004048 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MSRSVALAVLALLSLSGLEAIQRTPKIQVYSRHPAENGKSNFLNCYVSGFHPSPDIEVDLLKNGERIEKVE HSDLFSKDWFSFYLLYYTEFTPTTEKDEYACRVNHVTL SQPKIVKWDRDM  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	11.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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:	<a href="#">NP_004039</a>
Locus ID:	567
UniProt ID:	<a href="#">P61769</a>
RefSeq Size:	987
Cytogenetics:	15q21.1



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RefSeq ORF: 357

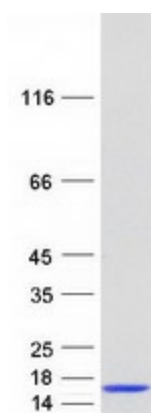
Synonyms: IMD43

**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:



Coomassie blue staining of purified B2M protein (Cat# [TP307587]). The protein was produced from HEK293T cells transfected with B2M cDNA clone (Cat# [RC207587]) using MegaTran 2.0 (Cat# [TT210002]).