

## Product datasheet for **AR09561PU-S**

### Beta-2-microglobulin (21-119, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Beta-2-microglobulin (21-119, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH M</u> IQRTPKIQV YSRHPAENGK SNFLNCYVSG FHPSDIEVDL LKNGERIEKV EHSDFSFSKD WSFYLLYTE FTPTEKDEYA CRVNHVTL SQ PKIVKWDRDM
Tag:	His-tag
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2 mM DTT, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant B2M protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_004039</u>
Locus ID:	567
UniProt ID:	<u>P61769</u>
Cytogenetics:	15q21.1
Synonyms:	IMD43



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**Summary:**

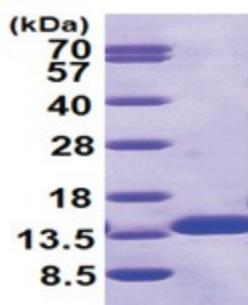
This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. The encoded 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:**

15% SDS-PAGE (3ug)