

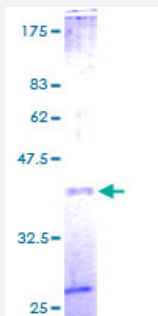
Full-Length

B2M (Human) Recombinant Protein (P01)

Catalog # H00000567-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human B2M full-length ORF (AAH32589, 1 a.a. - 119 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSRSVALAVLALLSLSGLEAIQRTPKIQVYSRHPAENGKSNFLNCYVSGFHPSDIEVDLLKNGERIEKVEHSDLSFSKDWSFYLLYYTEFTPTEKDEYACRVNHVTL SQPKMKWDRDM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.83
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — B2M

Entrez GeneID	567
GeneBank Accession#	BC032589
Protein Accession#	AAH32589
Gene Name	B2M
Gene Alias	-
Gene Description	beta-2-microglobulin
Omim ID	109700 241600
Gene Ontology	Hyperlink
Gene 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. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia
Other Designations	beta chain of MHC class I molecules beta-2-microglobin

Pathway

- [Antigen processing and presentation](#)

Disease

- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease](#)
- [Edema](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Osteoarthritis](#)
- [Parkinson disease](#)
- [Stomach Neoplasms](#)