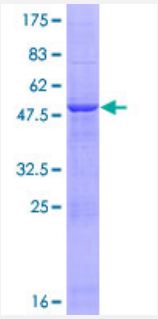
Full-Length

PSMB3 (Human) Recombinant Protein (P02)

Catalog # H00005691-P02 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PSMB3 full-length ORF (NP_002786.2, 1 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSIMSYNGGAVMAMKGKNCVAIAADRRFGIQAQMVTTDFQKIFPMGDRLYIGLAGLATDVQTVAQ RLKFRLNLYELKEGRQIKPYTLMSMVANLLYEKRFGPYYTEPVIAGLDPKTFKPFICSLDLIGCPMVT DDFVVSGTCAEQMYGMCESLWEPNMDPDHLFETISQAMLNAVDRDAVSGMGVIVHIIEKDKITTR TLKARMD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	49.3
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 — PSMB3

Entrez GeneID	5691
GeneBank Accession#	NM_002795.2
Protein Accession#	NP_002786.2
Gene Name	PSMB3
Gene Alias	HC10-II, MGC4147
Gene Description	proteasome (prosome, macropain) subunit, beta type, 3
Omim ID	602176
Gene Ontology	Hyperlink
Gene Summary	The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Pseudogenes have been identified on chromosomes 2 and 12. [provided by RefSeq
Other Designations	proteasome beta 3 subunit|proteasome chain 13|proteasome component C10-II|proteasome theta chain

Pathway

- Proteasome