

Full-Length

PSMA3 (Human) Recombinant Protein (P01)

Catalog # H00005684-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PSMA3 full-length ORF (AAH05265, 1 a.a. - 248 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSSIGTGYDLSASTFSPDGRVVFQVEYAMKAVERNSSTAIGRCKDGVVFGVEKLVLSKLYEEGSNK RLFNVDHRHVGMAVAGLLADARSLADIAREEASNFRSNFGYNIPLKHLADRVAMYVHAYTLYSVR PFGCSVNDGAQLYMIDPSGVSYGWGAIGKARQAAKTEIEKLQMKEMTCRDMKEVAKIIMVHDE VKDKAFELELSWVGELTNGRHEIVPKDIREEAKEYAKESLKEEDESDDDNM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.02
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 — PSMA3

Entrez GeneID [5684](#)

GeneBank Accession# [BC005265](#)

Protein Accession# [AAH05265](#)

Gene Name PSMA3

Gene Alias HC8, MGC12306, MGC32631, PSC3

Gene Description proteasome (prosome, macropain) subunit, alpha type, 3

Omim ID [176843](#)

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 peptidase T1A family, that is a 20S core alpha subunit. Two alternative transcripts encoding different isoforms have been identified. [provided by RefSeq]

Other Designations macropain subunit C8|multicatalytic endopeptidase complex subunit C8|proteasome alpha 3 subunit|proteasome subunit C8

Pathway

- [Proteasome](#)