

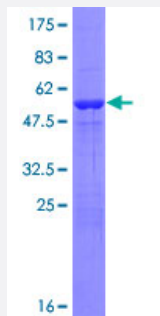
Full-Length

PSMA6 (Human) Recombinant Protein (P01)

Catalog # H00005687-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PSMA6 full-length ORF (NP_002782.1, 1 a.a. - 246 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSRGSSAGFDRHITFSPEGRLYQVEYAFKAINQGGLTSVAVRGKDCAVITQKKVPDKLLDSSTV THLFKITENIGCVMTGMTADSRSQVQRARYEAAWKKYKYGYEIPVDMCKRIADISQVYTQNAEMR PLGCCMILIGIDEEQGPQVYKCDPAGYYCGFKATAAGVKQTESTSFLEKKVKKKFDWTFEQT VET AITCLSTVLSIDFKPSEIEVGVVTVENPKFRILTEAEIDAHLVALAERD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.8
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 — PSMA6

Entrez GeneID [5687](#)

GeneBank Accession# [NM_002791.1](#)

Protein Accession# [NP_002782.1](#)

Gene Name PSMA6

Gene Alias IOTA, MGC22756, MGC2333, MGC23846, PROS27, p27K

Gene Description proteasome (prosome, macropain) subunit, alpha type, 6

Omim ID [602855](#)

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. A pseudogene has been identified on the Y chromosome. [provided by RefSeq]

Other Designations 27 kDa prosomal protein|OTTHUMP00000178843|macropain iota chain|macropain subunit iota|multicatalytic endopeptidase complex iota chain|prosomal P27K protein|proteasome alpha 6 subunit|proteasome iota chain|proteasome subunit iota

Pathway

- [Proteasome](#)

Disease

- [Angina](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Myocardial Infarction](#)
- [Psoriasis](#)
- [Renal Insufficiency](#)
- [Stroke](#)
- [Werner syndrome](#)