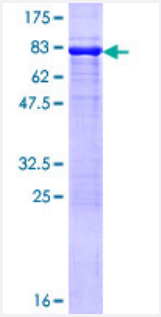
Full-Length

PSMD4 (Human) Recombinant Protein (P01)

Catalog # H00005710-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PSMD4 full-length ORF (NP_002801.1, 1 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVLESTMVCVDNSEYMRNGDFLPTRLQAQQDAVNIVCHSKTRSNPENNVGLITLANDCEVLTTLT PDTGRILSKLHTVQPKGKITFCTGIRVAHLALKHRQGKNHKMRIIAFVGSPVEDNEKDLVKLAKRLK KEKVNVDIINFGEEEVNTEKLTAFVNTLNGKDGTGSHLVTVPPGPSLADALISSPILAGEGGAMLGL GASDFEFGVDPSADPELALALRVSMEEQRQRQEEEARRAAAASAAEAGIATTGTEDSDDALLK MTISQQEFGRTGLPDLSSMTEEEQIAYAMQMSLQGAEFGQAESADIDASSAMDTSEPAKEEDDY DVMQDPEFLQSVLENLPGVDPNNEAIRNAMGSLASQATKDGKKDKKEEDKK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	67.1
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 — PSMD4

Entrez GeneID	5710
GeneBank Accession#	NM_002810.2
Protein Accession#	NP_002801.1
Gene Name	PSMD4
Gene Alias	AF, AF-1, ASF, MCB1, Rpn10, S5A, pUB-R5
Gene Description	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
Omim ID	601648
Gene Ontology	Hyperlink
Gene Summary	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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 one of the non-ATPase subunits of the 19S regulator lid. Pseudogenes have been identified on chromosomes 10 and 21. [provided by RefSeq
Other Designations	26S protease subunit S5a|26S proteasome non-ATPase regulatory subunit 4|OTTHUMP00000014286|OTTHUMP00000059963|S5a/antisecretory factor protein|angiocidin|antisecretory factor 1|multiubiquitin chain binding protein|proteasome 26S non-ATPase subunit 4

Pathway

- Proteasome