

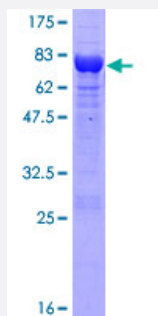
Full-Length

PSMD5 (Human) Recombinant Protein (P02)

Catalog # H00005711-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PSMD5 full-length ORF (NP_005038.1, 1 a.a. - 504 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAQALALLREVARLEAPLEELRALHSVLQAVPLNELRQQAAELRLGPLFSLLNENHREKTTLCV
SILERLLQAMEPVHVARNLRVDLQRGLIHPDDSVKILTSQIGRIVENS DAVTEILNNAELLKQMYCIG
GENLSVAKAAIKSLSRISLTQAGLEALFESNLLDDLKSVMTNDVRYRVYELIEISSVSPELNYCT
TSGLVTQLLRELTGEDVLVRATCIEMVTSLAYTHHGRQYLAQEGVIDQISNIIVGADSDPFSSFYLP
GVKFFGNLAVMDSPQQICERYPIFVEKVFEMIESQDPTMIGVAVDTVIGILGSNVEGKQVLQKTGTR
FERLLMRIGHQSKNAPVELKIRCLDAISSLLYLPPEQQTDDLRLMTESWFSLSRDPLELFRGISSQ
PFPELHCAALKVFTAIANQPWAQKLMFNSPGFVEYVDRSVEHDKASKDAKYELVKALANSKTIA
EIFGNPNYLRRLRRTLSEGPYYVKPVSTTAVEGAE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

82.6

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 — PSMD5

Entrez GeneID[5711](#)**GeneBank Accession#**[NM_005047.2](#)**Protein Accession#**[NP_005038.1](#)**Gene Name**

PSMD5

Gene Alias

KIAA0072, MGC23145, S5B

Gene Description

proteasome (prosome, macropain) 26S subunit, non-ATPase, 5

Omim ID[604452](#)**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 a non-ATPase subunit of the 19S regulator base. [provided by RefSeq]

Other Designations

26S protease subunit S5 basic|26S proteasome non-ATPase regulatory subunit 5|26S proteasome subunit S5B|OTTHUMP00000021990|proteasome 26S non-ATPase subunit 5