

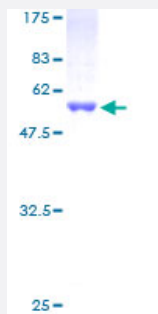
Full-Length

PSMB4 (Human) Recombinant Protein (P01)

Catalog # H00005692-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PSMB4 full-length ORF (AAH00331, 1 a.a. - 264 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEAFLGSRSLWAGGPAPGQFYRIPSTPDSFMDPASALYRGPITRTQNPMVTGTSVLGVKFEGG
VVIAADMLGSYGSLARFRNISRIMRVNNSTMLGASGDYADFQYLKQVLGQMVIDEELLGDGHSYSP
RAIHSWLTRAMYSRRSKMNPLWNTMVIGGYADGESFLGYDMLGVAYEAPSLATGYGAYLAQPLL
REVLEKQPVLSSQTEARDLVERCMRVLYRDARSYNRFQTATVTEKGVEIEGPLSTETNWDIAHMIS
GFE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.78

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 — PSMB4

Entrez GeneID [5692](#)

GeneBank Accession# [BC000331](#)

Protein Accession# [AAH00331](#)

Gene Name PSMB4

Gene Alias HN3, HsN3, PROS26

Gene Description proteasome (prosome, macropain) subunit, beta type, 4

Omim ID [602177](#)

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. [provided by RefSeq]

Other Designations macropain beta chain|multicatalytic endopeptidase complex beta chain|proteasome beta 4 subunit|proteasome beta chain|proteasome chain 3|proteasome subunit HsN3|proteasome subunit, beta type, 4

Pathway

- [Proteasome](#)

Disease

- [Cerebral Hemorrhage](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Inflammation](#)
- [Intracranial Hemorrhages](#)
- [Kidney Failure](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)