

PSMB5 recombinant protein

PSMB5, 60-263aa, Human, His tag, E Coli

CATALOG # AAA48691	HOST E Coli	APPLICATIONS SDS-Page
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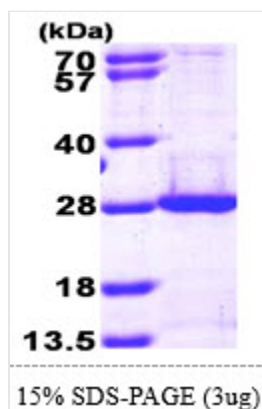
PRODUCT SYNONYMS

PSMB5; 60-263aa; Human; His tag; E Coli; Proteasome (prosome macropain) subunit beta type 5.; LMPX; MB1; MGC104214; X.; PSMB5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.5) containing 50% glycerol, 1mM DTT, 0.15M NaCl
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMTT LAFKFRHGV VAADSRATAG AYIASQTVKK VIEINPYLLG TMAGGAADCS FWERLLARQC RIYELRNKER ISVAAASKLL ANMVYQYKGM GLSMGTMICG WDKRGPGLYY VDSEGNRISG ATFSVGSGSV YAYGVMDRGY SYDLEVEQAY DLARRAIYQA TYRDAYSGGA VNLYHVREDG WIRVSSDNVA DLHEKYSGST P
Sequence Length	263
Applicable Applications for PSMB5 recombinant protein	SDS-PAGE
Antigen Sepcies	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for PSMB5 recombinant protein	PSMB5 is a member of the proteasome B-type family that is a 20S core beta subunit in the proteasome. This catalytic subunit is not present in the immunoproteasome and is replaced by catalytic subunit 3i (proteasome beta 8 subunit). PSMB5 has an ATP dependent proteolytic activity and involved in an ATP/ubiquitin dependent non lysosomal proteolytic pathway. Recombinant human PSMB5 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PSMB5 recombinant protein	Cell Cycle
References	Coux O., et al. (1996) Annu Rev Biochem. 65:801-47. ; Wenzel T., et al. (1995) Nat Struct Biol. 2 (3):199-204.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506201
NCBI GeneID	5693
NCBI Accession #	NP_002788
NCBI GenBank Nucleotide #	NM_002797.4
UniProt Accession #	P28074; Q16242; Q6PEW2; Q7Z3B5; Q86T01; Q9TNN9; B2R4N9; B4DUM9; D3DS43; E9PAV2
Molecular Weight	26.7 kDa (241aa), confirmed by MALDI-TOF
NCBI Official Full Name	proteasome subunit beta type-5 isoform 1
NCBI Official Synonym Full Names	proteasome subunit beta 5
NCBI Official Symbol	PSMB5
NCBI Official Synonym Symbols	X; MB1; LMPX
NCBI Protein Information	proteasome subunit beta type-5
UniProt Protein Name	Proteasome subunit beta type-5
UniProt Gene Name	PSMB5
UniProt Synonym Gene Names	LMPX; MB1; X

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/psmb5-recombinant-protein-e-coli-sds-page/48691>