

Recombinant Human PSMB6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PSMB6-2657H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PSMB6 MS Standard C13 and N15-labeled recombinant protein (NP_002789) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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. The encoded protein is a member of the proteasome B-type family, also known as the T1B family, and is a 20S core beta subunit in the proteasome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	25.4 kDa
AA Sequence	MAATLLAARGAGPAPAWGPEAFTPDWESREVSTGTTIMAVQFDGGVVLGADSRRTT TGSYIANRVTDKLTPIHDRIFCCRSRSAADTQAVADAVTYQLGFHSIELNEPPLVHTA ASLFKEMCYRYREDLMAGIIAGWDPQEGGQVYSVPMGGMMVRQSFAGGSGSSYI YGYVDATYREGMTKEECLQFTANALALAMERDGSSGGVIRLAAIAESGVERQVLLG

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DQIPKFAVATLPPATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PSMB6 proteasome 20S subunit beta 6 [Homo sapiens (human)]
Official Symbol	PSMB6
Synonyms	PSMB6; proteasome (prosome, macropain) subunit, beta type, 6; proteasome subunit beta type-6; DELTA; Y; proteasome subunit Y; macropain delta chain; proteasome delta chain; proteasome subunit delta; proteasome subunit beta 6; proteasome catalytic subunit 1; PSY large multifunctional protease Y; multicatalytic endopeptidase complex delta chain; LMPY; MGC5169;
Gene ID	5694
mRNA Refseq	NM_002798
Protein Refseq	NP_002789

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MIM	600307
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UniProt ID	P28072
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