

OriGene Technologies, Inc.

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Product datasheet for PH301605

Proteasome 20S beta 6 (PSMB6) (NM_002798) Human Mass Spec Standard

Product data:

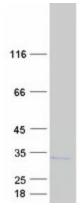
Nescription:SMB6 MS Standard C13 and N15-labeled recombinant protein (NP_002789)Species:HumanKapression Host:HEK233Arpression cDNA ClossRed-Closs Closs Close	Product Type:	Mass Spec Standards
Expression Host:HEK293Expression CDNA CloopRc201605Predicted MW:5.4 kDaProtein Sequence:Rc201605 protein sequence Red-Cloning site Green-Tags(s)MATLLARGGPAPAWGPEAT FDWESREVSTGTTIMAVQFDGGVVLGADSRTTTGSYIANRYDDKTP BrUNCTROSGSADMADAVTVQLHFSIELNEPPLVHTAASLEKEMCYRRYREDLMAGTIIAGNDPO CGQVVSVMGGMNRQSFAIGSGSSYIYGVVDATYREGMTKEECLQFTANALALAMERDGSSGGVIRL AATESGVERQULLGQIPKFAVATLPPATag:MATLLARGGAPAWGPEAT FDWESREVSTGTTIMAVGFDGVCGADSRTTGSYIANRYDDKTP MATLEARCISCURGYNADAVTVQLHTPATag:CM4/CDDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodIdeled with [U-13C6, 15N4]-LArginine and [U-13C6, 15N2]-L-LysinePuffer:> 100 µg/µL as determined by microplate BCA methodStorage:> 0.05 µg/µL as determined by microplate BCA methodBuffer:> 0.05 µg/µL as determined properstorage and handling conditionsForage:> 0.05 µg/µL as determined properstorage and handling conditionsBuffer:> 0.05 µg/µL as determined properstorage and handling conditionsForage:> 0.05 µg/µL as determined properstorage and handling conditionsBuffer:> 0.05 µg/µL as determined properstorage and handling conditionsForage:> 0.05 µg/µL as determined products under proper storage and handling conditionsRefSeq NE:> 1.01RefSeq ORF:> 1.02Artage Size:> 0.02Buffer:> 0.05 µg/µLArtage Size:> 0.05 µg/µLArtage Size:> 0.05 µg/µLArtage Size:> 0.05 µg/	Description:	PSMB6 MS Standard C13 and N15-labeled recombinant protein (NP_002789)
Presention CDNA CloomsRC201605Predicted MW:5.4 kDaProtein Sequence:RC201605 protein sequence Red=Cloning site Green=Tags(s)MATILLAARGAGPAPAWGPEAFTPDWESREVSTGTTIMAVQFDGGVVLGADSRTTGSVIANRVTDKLTP IHDRIFCCRSGSADTQAVADAVTYQLGHSIELNEPPLVHTAASLFKEMCVRRREDLMAGIIAGWDPQ EGGVVSVPMGGMWRGPSAFIGGSGSVIGVYDATYREGMTKEECLQFTANALALAMERDGSSGSQTIRL AAIAESGVERQVLLGDQIPKFAVATLPPATag:CMyc/DDKFrrPLEQKLISEEDLAANDILDYKDDDDKVTag:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingConcentration:9.005 µg/µL as determined by microplate BCA methodIabeling Method:1.5 mM Tris-HCI, 100 mM glycine, pH 7.3Storage:0.5 mA Tris-HCI, 100 mM glycine, pH 7.3Storage:Stole for 3 months from receipt of products under proper storage and handling conditionsRefSeq NEr:8.9RefSeq ORF:1.7Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.17Storage:0.11Storage:0.11Storage:0.11Storage:0.11Storage:0.11Storage:0.11Storage:0.11Storage:0.11Storage:0.11 <td>Species:</td> <td>Human</td>	Species:	Human
or AA Sequence:Predicted MW:5.4 kDaProtein Sequence: Red=Cloning site Green=Tags(s)MATLLAARGAGPAPAWGPEAFTPDWESREVSTGTTIMAVQFDGGVVLGADSRTTGSYIANRVTDKLTP IHDRIFCCRSGSADDTQAVADAVTQLGHSIELNEPPLVHTAASLFKEMCVRREDLMAGIIAGWDPQ EGGVVSVPMCGMWRGPCAFTDGWSSTUGVDATYREGMTKEECLQFTANALALAMERDGSSGGVIRL AAIAESGVERQVLLGQIPKFAVATLPPATag:CMyc/DDKTag:CMyc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>80% as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-LArginine and [U-13C6, 15N2]-LLysineBuffer:0.05 µg/µL as determined by microplate BCA methodStorage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:0.5 Label for 3 months from receipt of products under proper storage and handling conditions.RefSeq ORF:0.71Storage:0.72.89RefSeq ORF:0.71Storage:0.71Storage:0.71Storage:0.71Storage:0.71Storage:0.72.89RefSeq ORF:0.71Storage:0.71Storage:0.71Storage:0.71Storage:0.71Storage:0.71Storage:0.71Storage:0.71Storage:0.72.89Storage:0.72.89Storage:0.72.89Storage:0.73Storage:0.73Storage:0.74Storage:0.74Storage:0.74	Expression Host:	HEK293
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HDRIFCCRSGSAADTQAVADAVTYQLGFHSIELNEPPLVHTAASLFKEMCYRYREDLMAGIIIAGWDPQ EGQVYSVPMGGMMVRQSFAIGGSGSSYIYGYDATYREGMTKEECLQFTANALALAMERDGSSGGVIRL AAIAESGVERQVLLGDQIPKFAVATLPPATRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>.005 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.5 nm Tris-HCI, 100 nm glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 002789RefSeq ORF:0.17Synonyms:DELTA; LMPY; YLocus ID:S694	Protein Sequence:	
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RefSeq: NP 002789 RefSeq Size: 869 RefSeq ORF: 717 Synonyms: DELTA; LMPY; Y Locus ID: 5694	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
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RefSeq ORF: 717 Synonyms: DELTA; LMPY; Y Locus ID: 5694	RefSeq:	<u>NP 002789</u>
Synonyms:DELTA; LMPY; YLocus ID:5694	RefSeq Size:	869
Locus ID: 5694	RefSeq ORF:	717
	Synonyms:	DELTA; LMPY; Y
UniProt ID: <u>P28072</u> , <u>Q6IAT9</u>	Locus ID:	5694
	UniProt ID:	<u>P28072, Q6IAT9</u>



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	Proteasome 20S beta 6 (PSMB6) (NM_002798) Human Mass Spec Standard – PH301605
Cytogenetics:	17p13.2
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. 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. [provided by RefSeq, Jul 2012]
Protein Families	: Druggable Genome, Protease
Protein Pathway	/s: Proteasome

Product images:



Coomassie blue staining of purified PSMB6 protein (Cat# [TP301605]). The protein was produced from HEK293T cells transfected with PSMB6 cDNA clone (Cat# [RC201605]) using MegaTran 2.0 (Cat# [TT210002]).

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