

## Product datasheet for PH301605

### Proteasome 20S beta 6 (PSMB6) (NM\_002798) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PSMB6 MS Standard C13 and N15-labeled recombinant protein (NP_002789)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201605
Predicted MW:	25.4 kDa
Protein Sequence:	>RC201605 protein sequence Red=Cloning site Green=Tags(s)  MAATLLAARGAGPAPAWGPEAFTPDWESREVSTGTTIMAVQFDGGVVLGADSRRTTGSYIANRVTDKLTPIHDRIFCCRSRGSAAQTQAVADAVTYQLGFHSIELNEPPLVHTAASLFKEMCYRYREDLMAGIIIAGWDPQEGGQVYSVPMGGMMVRQSF AIGGSGSSYIYGVDATYREGMTKEECLQFTANALALAMERDGSSGGVIRLAAIAESGVERQVLLGDQIPKFAVATLPPA  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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:	<a href="#">NP_002789</a>
RefSeq Size:	869
RefSeq ORF:	717
Synonyms:	DELTA; LMPY; Y
Locus ID:	5694
UniProt ID:	<a href="#">P28072</a> , <a href="#">Q6IAT9</a>



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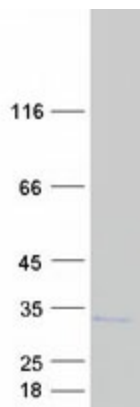
Cytogenetics: 17p13.2

**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 Pathways:** 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]).