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Product datasheet for PH300037

PSMD13 (NM_002817) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PSMD13 MS Standard C13 and N15-labeled recombinant protein (NP_002808)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200037
Predicted MW:	42.9 kDa
Protein Sequence:	>RC200037 protein sequence Red=Cloning site Green=Tags(s) MKDVPGFLQQSQSSGPGQPAVWHRLEELYTKKLWHQLTLQVLDFVQDPCFAQGDGLIKLYENFISEFEHR VNPLSLVEIILHVVRQMTDPNVALTFLEKTREKVKSSDEAVILCKTAIGALKLNIGDLQVTKETIEDVEE MLNNLPGVTSVHSRFYDLSSKYYQTIGNHASYYKDALRFLGCVDIKDLPVSEQQERAFTLGLAGLLGEGV FNFGELLMHPVLESLRNTDRQWLIDTLYAFNSGNVERFQTLKTAWGQQPDLAANEAQLLRKIQLLCLMEM TFTRPANHRQLTFEEIAKSAKITVNEVELLVMKALSVGLVKGSIDEVDKRVHMTWVQPRVLDLQQIKGMK DRLEFWCTDVKSMEMLVEHQAHDILT SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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:	NP_002808
RefSeq Size:	1757
RefSeq ORF:	1128
Synonyms:	HSPC027; p40.5; Rpn9; S11
Locus ID:	5719

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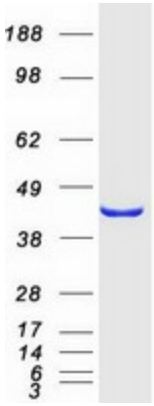
UniProt ID: Q9UNM6

Cytogenetics: 11p15.5

Summary: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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 non-ATPase subunit of the 19S regulator. Two transcripts encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Protein Pathways: Proteasome

Product images:



Coomassie blue staining of purified PSMD13 protein (Cat# [TP300037]). The protein was produced from HEK293T cells transfected with PSMD13 cDNA clone (Cat# [RC200037]) using MegaTran 2.0 (Cat# [TT210002]).