

Product datasheet for PH300550

PSMG1 (NM_003720) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PSMG1 MS Standard C13 and N15-labeled recombinant protein (NP_003711)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200550
Predicted MW:	32.9 kDa
Protein Sequence:	>RC200550 protein sequence Red=Cloning site Green=Tags(s) MAATFFGEVVKAPCRAGTEDEEEEEGRRETPEDREVRLQLARKREVRLRRQTKTSLEVSLLLEKYPCSK FIIAIGNNAVAFLSSFVMNSGVWEEVGC AKLWNEWCR TDTTHLSSTEAF CVFYHLKSNPSVFLCQCSCY VAEDQQYQWLEKVF GSCPRKNMQITILTCRHVTDYKTSESTGSLPSPFLRALKTQNFKDSACCPLEQPN IVHDLPAAVLSYCQVWKIPAILYL CYTDMKLDLITVEAFKPI LSTRSLKGLVKNIPQSTEILK KLM TTN EIQSNIYT 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_003711</u>
RefSeq Size:	1140
RefSeq ORF:	864
Synonyms:	C21LRP; DSCR2; LRPC21; PAC-1; PAC1
Locus ID:	8624



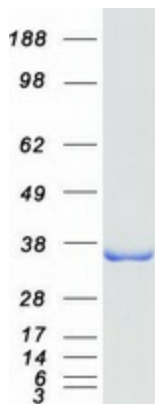
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UniProt ID: [O95456](#)

Cytogenetics: 21q22.2

Summary: Chaperone protein which promotes assembly of the 20S proteasome as part of a heterodimer with PSMG2. The PSMG1-PSMG2 heterodimer binds to the PSMA5 and PSMA7 proteasome subunits, promotes assembly of the proteasome alpha subunits into the heteroheptameric alpha ring and prevents alpha ring dimerization.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified PSMG1 protein (Cat# [TP300550]). The protein was produced from HEK293T cells transfected with PSMG1 cDNA clone (Cat# [RC200550]) using MegaTran 2.0 (Cat# [TT210002]).