

Product datasheet for TP300550M

OriGene Technologies, Inc.

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PSMG1 (NM 003720) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human proteasome (prosome, macropain) assembly chaperone 1

(PSMG1), transcript variant 1, 100 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC200550 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MAATFFGEVVKAPCRAGTEDEEEEEEGRRETPEDREVRLQLARKREVRLLRRQTKTSLEVSLLEKYPCSK FIIAIGNNAVAFLSSFVMNSGVWEEVGCAKLWNEWCRTTDTTHLSSTEAFCVFYHLKSNPSVFLCQCSCY VAEDQQYQWLEKVFGSCPRKNMQITILTCRHVTDYKTSESTGSLPSPFLRALKTQNFKDSACCPLLEQPN IVHDLPAAVLSYCQVWKIPAILYLCYTDVMKLDLITVEAFKPILSTRSLKGLVKNIPQSTEILKKLMTTN

EIQSNIYT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 32.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 003711

Locus ID: 8624





UniProt ID: <u>095456</u>

RefSeq Size: 1140 **Cytogenetics:** 21q22.2 864 RefSeq ORF:

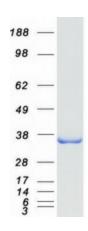
Synonyms: C21LRP; DSCR2; LRPC21; PAC-1; PAC1

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]).