

Product datasheet for **TP300550L**

PSMG1 (NM_003720) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human proteasome (prosome, macropain) assembly chaperone 1 (PSMG1), transcript variant 1, 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200550 protein sequence Red =Cloning site Green =Tags(s) |
| | <p>MAATFFGEVVKAPCRAGTEDEEEEEEGRRPEPEDREVRLQLARKREVLLRRQTKTSLEVSLLLEKYPCK FIIAIGNNAVAFLSSFVMNSGVWEEVGCALWNEWCRITDTHLSSTEAFVYHLSNPSVFLCQCSCY VAEDQQYQWLEKVFSGSPRKNMQITILTCRHVTDYKTSESTGSLPSPFLRALKTNFKDSACCPLEQPN IVHDLPAAVLSYCVWVKIPAILYLCYTDVMKLDLITVEAFKPISTRSLKGLVKNIQSTEILKKLMTTN EIQSNIYT</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| 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 |



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|---------------|---|
| UniProt ID: | O95456 |
| RefSeq Size: | 1140 |
| Cytogenetics: | 21q22.2 |
| RefSeq ORF: | 864 |
| 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]).