

Recombinant Full Length Human PSME4 Protein, C-Flag-tagged

Cat. No. PSME4-1154HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PSME4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Predicted to enable lysine-acetylated histone binding activity; peptidase activator activity; and proteasome binding activity. Predicted to be involved in DNA repair; proteasomal ubiquitin-independent protein catabolic process; and spermatogenesis, exchange of chromosomal proteins. Located in nucleoplasm.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	211.2 kDa
AA Sequence	MEPAERAGVGEPPEPGGRPEPGPRGFVPQKEIVYNKLLPYAERLDAESDLQLAQIK CNLGRAVQLQELWP GGLFWTRKRLSTYIRLYGRKFSKEDHVLFIKLLYELVSIPKLEIS MMQGFARLLINLLKKKELLSRADLEL PWRPLYDMVERILYSKTEHLGLNWFNPSVEN ILKTLVKSCRPFYFPADATAEMLEEWRLMCPFDVTMQKA ITYFEIFLPTSLPPELHHK GFKLWFDELIGLWVSVQNLQPWEGQLVNLFARLATDNIGYIDWDPYVPKIF TRILRS LNLPGVSSQVLVPRFLTNAVDIGHAVIWITAMMGGPSKLVQKHLAGLFNSITSFYHPS NNGRWL NKLMKLLQRLPNSVVRRLHRERYKKPSWLTPVPDSHKLTDQDVTDFVQC IIQPVLLAMFSKTSLEAAQA LQNLALMRPELVIPPVLERTYPALETLTEPHQLTATLS

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CVIGVARSLVSGGRWFPEGPTHMLPLLMRALP GVDPNDFSKCMITFQFIATFSTLVP
 LVDCSSVLQERNDLTEVERELCSATAEFEDFVLQFMDRCFGLIES STLEQTREETET
 EKMTHLESLEVELGLSSTFSTILTQCSKEIFMVALQKVFNFSTSHIFETRVAGRMVADM
 CRAAVKCCPEESLKLFPVPHCCSVITQLTMNDDVLNDEELDKELLWNLQLLSEITRVD
 GRKLLLYREQLVK ILQRTLHLTCKQGYTLSCNLLHLLRSTTLIYPTEYCSVPGGFDK
 PPSEYFPIKDWGKPGDLWNLGIQWH VPSSEEVSAFYLLDSFLQPELVKLQHCGDG
 KLEMSRDDILQSLTIVHNCLIGSGNLLPPLKGEPVTNLV PSMVSLEETKLYTGLEYDL
 SRENHREVIATVIRKLLNHILDNSEDDTKSLFLIKIIGDLLQFQGSHKHE FDSRWKSF
 NLVKKSMENRLHGKKQHIRALLIDRVMLQHELRTLVEGCEYKKIHQDMIRDLLRLST
 SSYS QVRNKAQQTTFFAALGAYNFCCRDIIPLVLEFLRPDRQGVTQQQFKGALYCLL
 GNHSGVCLANLHDWDCIV QTWPAIVSSGLSQAMSLEKPSIVRLFDDLAEKIHRQYET
 IGLDFTIPKSCVEIAELLQQSKNPSINQILL SPEKIKEGIKQKQEKADALRNYENLVDT
 LLDGVEQRNLPWKFEHIGIGLLSLLLRDDRVLPLRAIRFFV ENLNHDAIVVRKMAISAV
 AGILKQLKRTHKKLTINPCEISGCPKPTQIIAGDRPDNHWLHYDSKTIPRTK KEWESS
 CFVEKTHWGYTWPKNMVVYAGVEEQPKLGRSREDMTEAEQIIFDHFSDPKFVEQL
 ITFLSLED RKGKDKFNPRRFCLFKGIFRNFDDAFLPVLPKPHLEHLVADSHESTQRCV
 AEIAGLIRGSKHWTFEKVEK LWELLCPLLRTALSNTVETYNDWGACIATSCESRDP
 RKLHWFELLLESPLSGEGGSFVDACRLYLQGLAQQEWVRPELLHRLKYLEPK
 LTQVYKNVRERIGSVLTYIFMIDVSLPNTTPTISPHVPEFTARILEK LKPLMDVDEEQ
 NHVMEENGIGEEDEERTQGIKLLKILKWLMAAGRSFSTAVTEQLQLLPLFFKIAPVE
 NDNSYDELKRDAKLCLSLMSQGLLYPHQVPLVLQVLKQTARSSSWHARYTVLTYLQ
 TMVFYNLFIFLNNE DAVKDIRWLVISLLEDEQLEVREMAATTLSGLLQCNTFLTMDSP
 MQIHFEQLCKTKLPKKRKRDPGSGVGT IPSAELVKRHAGVLGLGACVLSSPYDVPT
 WMPQLLMNLSAHLNDPQPIEMTVKKTLSNFRRTHHDNWQEH
 KQQFTDDQLLVLTDLLVSPCYATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Proteasome
Full Length	Full L.

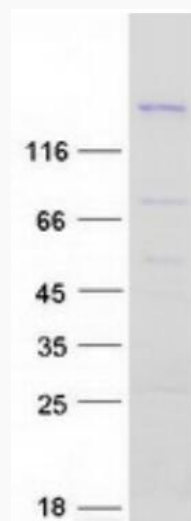
GENE INFORMATION

Gene Name	PSME4 proteasome activator subunit 4 [Homo sapiens (human)]
Official Symbol	PSME4
Synonyms	PA200
Gene ID	23198
mRNA Refseq	NM_014614.3
Protein Refseq	NP_055429.2
MIM	607705
UniProt ID	Q14997

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Coomassie blue staining of purified PSME4 protein.

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