

Product datasheet for TP511398

Smg8 (NM_024262) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse smg-8 homolog, nonsense mediated mRNA decay factor (C. elegans) (Smg8), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR211398 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAGPVSLRELLMGASAWLGSESPGGPSAEGGGNAAGTPEPPWREDEICVVGIFGKTALRLNSEKFSLVNT
VCDRQVFLFHHQDPGDPGTGIKTKAVSVGEAGGAGDPGAAAGDSLRRGMATAEGNRAEPGPQDFSLQA
YYNQESKVLYLILTSICDNSQLLRACRALQSGEAGGGLSLPHAETHEFWKHQEKLQCLSLLYLFSVCHIL
LLVHPTCSFDITYDRVFRALDGLRQKVLPLLKTAIKDCPVGKDWKLNCRPCPPRLLFLFQLNGALKVEPP
RSQDTAHPDKPKKHSPKRRLQHALEDQIYRIFRKSRLTNQSNINCLFTVPANQAFVYIVPGSQEEDPIGM
LLDQLRSHCTVKDPESLLVPAPLSGPRRYQAMRQHSRQQLSFHIDSSTSSSSGQLVDFTLREFLWQHVEL
VLSKKGFDSDVGRNPQPSHFELPTYQKWISAAAKLYEVAIDGKEEDLGSPTGELTSKILSSIKVLEGFLD
IDTKFSENRCQKALPMAHSAYQSNLPHNYTMTVHKNQLAQAALRVYSQHARGPAFHKYAMQLHEDCYKFW
NGHQLCEERSLTDQHCVHKFHSLPKSGEKPEADRNPPVLYHNSRARSTGACNCGRKQAPRDDPFDIKAA
YDFYQLLEEKCCGKLDHINFPVFEPSTPDPAPAKNEPSPAPPDSAEKLEKEPQTQGESTSLSLALSLG
QSTDLSLGTYPADPQAGGDNPEVHGQGEKSEKRPNLVDRQASTVEYLPGLMHSNCPKGLLPKFSSWSLVK
LGPASYNFHTGLDQQGFVPGTNYLMPWDIVIRTRAEDGDLDTNSWPAPNKAIPGKRSAVVMGRGRRRD
DIARAFVGFYEDSRGRRFMCSPDKVMKVMGSGPKESALKALNSDMPLYLSSSQGRGLKPHYAQLMRL
FVVVPDAPLQIILMPQVQPGPPPCPVFYPEKQEITLPPDGLWVLRFPYAYVTERGPCFPKENVQLMSYK
VLRGVLKAVTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	109.7 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



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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 after receiving vials.
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:	<u>NP_077224</u>
Locus ID:	74133
UniProt ID:	<u>Q8VE18</u>
RefSeq Size:	3236
Cytogenetics:	11 C
RefSeq ORF:	2976
Synonyms:	1200011M11Rik
Summary:	Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons. Is recruited by release factors to stalled ribosomes together with SMG1 and SMG9 (forming the SMG1C protein kinase complex) and, in the SMG1C complex, is required to mediate the recruitment of SMG1 to the ribosome:SURF complex and to suppress SMG1 kinase activity until the ribosome:SURF complex locates the exon junction complex (EJC). Acts as a regulator of kinase activity (By similarity).[UniProtKB/Swiss-Prot Function]