

Product datasheet for **TP316692M**

C17orf71 (SMG8) (NM_018149) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human chromosome 17 open reading frame 71 (C17orf71), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA >RC216692 representing NM_018149
Clone or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MAGPVSLRDLLMGASAWMGSESPGGSPTEGGGSAAGGPEPPWREDEICVVGIFGKTALRLNSEKFSLVNT
VCDRQVFPLFRHQDPGDPGPGIRTEAGAVGEAGGAEDPGAAAGGSVRGSGAVAEGNRTEAGSQDYSLLLQA
YYSQESKVLVLLLTSICDNSQLLRACRALQSGEAGGGLSLPHAEAHEFWKHQEKQLCSLLYLFSVCHIL
LLVHPTCSFDITYDRVFRALDGLRQKVLPLLKTAIKDPCVGDWKLNCRPCPPRLLFLFQLNGALKVEPP
RNQDPAHPDKPKKHSPKRRQLHALEDQIYRIFRKSRLTNQINCLFTVPANQAFVYIVPGSQEEDPVGM
LLDQLRSHCTVKDPESLLVPAPLSGPRRYQVMRQHSRQQLSFHIDSSSSSSGQLVDFTLREFLWQHVEL
VLSKKGFDSDVGRNPQPSHFELPTYQKWISAASKLYEVAIDGKEEDLGSPTGELTSKILSSIKVLEGFLD
IDTKFSENRCQKALPMAHSAYQSNLPHNYTMTVHKNQLAQLRVYSQHARGPAFHKYAMQLHEDCYKFW
NGHQLCEERSLTDQHCVHKFHSLPKSGEKPEADRNPVLYHNSRARSTGACNCGRKQAPRDDPFDIKAA
YDFYQLLEEKCCGKLDHINFPVFEPSTDPAPAKNESSPAPPDSDADKLKEKEPQTQGESTSLSLALSLG
QSTDLSLGTYPADPQAGGDNPEVHGQVEVKTEKRPNFVDRQASTVEYLPGMLHSNCPKGLLPKFSSWSLVK
LGPAKSYNFHTGLDQQGFIPGTNYLMPWDIVIRTRAEDGEGLDNTNSWPAPNKAIPGKRSAVVMGRGRRR
DIARAFVGFYEDSRGRRFMCSGPDKVMKVMGSGPKESALKALNSDMPLYLSSSQGRGLKPHYAQLMRL
FVVPDAPLQIILMPVQVQPGPPPCPVFYPEKQEITLPPDGLWVLRFPYAYVTERGPCFPPKENVQLMSYK
VLRGVLKAVTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

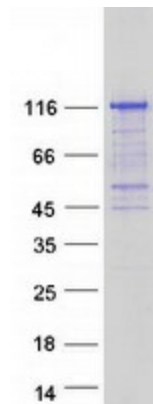
Tag: C-Myc/DDK
Predicted MW: 109.5 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_060619
Locus ID:	55181
UniProt ID:	Q8ND04
RefSeq Size:	3283
Cytogenetics:	17q22
RefSeq ORF:	2973
Synonyms:	C17orf71
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.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified SMG8 protein (Cat# [TP316692]). The protein was produced from HEK293T cells transfected with SMG8 cDNA clone (Cat# [RC216692]) using MegaTran 2.0 (Cat# [TT210002]).