

Product datasheet for PH316692

C17orf71 (SMG8) (NM_018149) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C17orf71 MS Standard C13 and N15-labeled recombinant protein (NP_060619)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216692
Predicted MW:	109.5 kDa
Protein Sequence:	>RC216692 representing NM_018149 Red=Cloning site Green=Tags(s)

MAGPVSLRDLLMGASAWMGSESPGGSPTEGGGSAAGGPEPPWREDEICVVGIFGKTALRLNSEKFSLVNT
VCDRQVFLFRHQDPGDPGPGIRTEAGAVGEAGGAEDPGAAAGGSVRSVGAVAEGNRTEAGSQDYSLQA
YYSQESKVLVLLTTSICDNSQLLRACRALQSGEAGGGLSLPHAEAHEFWKHQEKQLSLLYLFVSVCHIL
LLVHPTCSFDITYDRVFRALDGLRQKVLPLLKTAIKDCPVGKDWKLNCRPCPPRLLFLFQLNGALKVEPP
RNQDPAHPDKPKKHSPKRRQLHALEDQIYRIFRKSRLV TNQSNCLFTVPANQAFVYIVPGSQEEDPVGM
LLDQLRSHCTVKDPESELLVPAPLSGPRRYQVMRQHSRQQLSFHIDSSSSSSGQLVDFTLREFLWQHVEL
VLSKKGFDDSVGRNPQPSHFELPTYQKWI SAASKLYEVAIDGKEEDLGSPTGELTSKILSSIKVLEGFLD
IDTKFSENRCQKALPMAHSAYQSNLPHNYTMTVHKNQLAQALRVYSQHARGPAFHKYAMQLHEDCYKFWS
NGHQLCEERSLTDQHCVHKFHSLPKSGEKPEADRNPPVL YHNSRARSTGACNCGRKQAPRDDPFDIKAAN
YDFYQLLEEKCCGKLDHINFPVFEPSTDPAPAKNESSPAPPDSDADKLEKEPQTQGESTSLALSLG
QSTDLSLTYPADPQAGGDNPEVHGQVEVKTEKRPNFVDRQASTVEYLPGMLHSNCPKGLLPKFSWLVK
LGPASYNFHTGLDQQGFIPGTNYLMPWDIVIRTRAEDEGDLDTNSWPAPNKAIPGKRSAYVMGRGRRRD
DIARAFVGFYEDSRGRRFMCSPDKVMKVMGSGPKESALKALNSDMPLYILSSSQGRGLKPHYAQLMRL
FVVVPDAPLQIILMPVQVQPPPCPVFYPEKQEITLPPDGLWVLRFPYAYVTERGPCFPKENVQLMSYK
VLRGVLKAVTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.

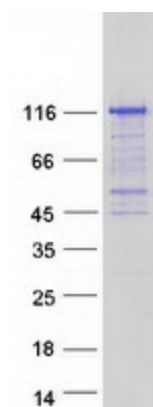


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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060619
RefSeq Size:	3283
RefSeq ORF:	2973
Synonyms:	C17orf71
Locus ID:	55181
UniProt ID:	Q8ND04
Cytogenetics:	17q22

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]).