

## Product datasheet for **TP316692**

### **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), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA** >RC216692 representing NM\_018149  
**Clone or AA Sequence:** **Red**=Cloning site **Green**=Tags(s)

MAGPVSLRDLLMGASAWMGSESPGGSPTEGGGSAAGGPEPPWREDEICVVGIFGKTALRLNSEKFSLVNT  
VCDRQVFPLFRHQDPGDPGPGIRTEAGAVGEAGGAEDPGAAAGGSVRGSGAVAEGNRTEAGSQDYSLLQA  
YYSQESKVLVLLLSICDNSQLLRACRALQSGEAGGGLSLPHAEAHEFWKHQEKQLCSLLYLFSVCHIL  
LLVHPTCSFDITYDRVFRALDGLRQKVLPLLKTAIKDCPVGKDWKLNCRPCPPRLLFLFQLNGALKVEPP  
RNQDPAHPDKPKKHSPKRRQLHALEDQIYRIFRKSRLVLTNQSINCLFTVPANQAFVYIVPGSQEEDPVGM  
LLDQLRSHCTVKDPESLLVPAPLSGPRRYQVMRQHSRQQLSFHIDSSSSSSGQLVDFTLREFLWQHVEL  
VLSKKGFDSDVGRNPQPSHFELPTYQKWISAASKLYEVAIDGKEEDLGSPTGELTSKILSSIKVLEGLD  
IDTKFSENRCQKALPMAHSAYQSNLPHNYTMTVHKNQLAQLRVYSQHARGPAFHKYAMQLHEDCYKFW  
NGHQLCEERSLTDQHCVHKFHSLPKSGEKPEADRNPVLYHNSRARSTGACNCGRKQAPRDDPFDIKAA  
YDFYQLLEEKCCGKLDHINFPVFEPSTDPAPAKNESSPAPPDSDADKLKEKEPQTQGESTSLSLALSLG  
QSTDLSLGTYPADPQAGGDNPEVHGQVEVKTEKRPNFVDRQASTVEYLPGMLHSNCPKGLLPKFSSWSLVK  
LGPAKSYNFHTGLDQQGFIPGTNYLMPWDIVIRTRAEDGEGLDNTNSWPAPNKAIPGKRSAVVMGRRRRD  
DIARAFVGFYEDSRGRRFMCSGPKVMKVMGSGPKESALKALNSDMPLYLSSSQGRGLKPHYAQLMRL  
FVVPDAPLQIILMPVQVQPGPPPCPVFYPEKQEITLPPDGLWVLRFPYAYVTERGPCFPPKENVQLMSYK  
VLRGVLKAVTQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

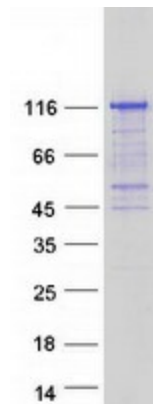
**Tag:** C-Myc/DDK  
**Predicted MW:** 109.5 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_060619</a>
<b>Locus ID:</b>	55181
<b>UniProt ID:</b>	<a href="#">Q8ND04</a>
<b>RefSeq Size:</b>	3283
<b>Cytogenetics:</b>	17q22
<b>RefSeq ORF:</b>	2973
<b>Synonyms:</b>	C17orf71
<b>Summary:</b>	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]).