

# Recombinant Human SMG8 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SMG8-5043H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | C17orf71 MS Standard C13 and N15-labeled recombinant protein (NP_060619) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | SMG8 (SMG8 Nonsense Mediated mRNA Decay Factor) is a Protein Coding gene. Diseases associated with SMG8 include Metaphyseal Chondrodysplasia, Schmid Type and Ullrich Congenital Muscular Dystrophy 1. Among its related pathways are Gene Expression and Viral mRNA Translation. An important paralog of this gene is ENSG00000265303.                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 109.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | <p>MAGPVSLRDLLMGASAWMGSESPGGSPTEGGGSAAGGPEPPWREDEICVVGIFG</p> <p>KTALRLNSEKFSVLNTVCDRQVFPLFRHQDPGDPGPGIRTEAGAVGEAGGAEDPGA</p> <p>AAGGSVRGSGAVAEGNRTEAGSQDYSLQAYYSQESKVLVLLTSICDNSQLLRAC</p> <p>RALQSGEAGGGLSLPHAEAHEFWKHQEKQLCLSLYLFSVCHILLVHPTCSFDITY</p> <p>DRVFRALDGLRQKVLPLLKTAIKDCPVGKDWKLNCRPCPPRLLFLFQLNGALKVEPP</p> <p>RNQDPAHPDKPKKHSPKRRLQHALEDQIYRIFRKSRVLTNQSINCLFTVPANQAFVYI</p> <p>VPGSQEEDPVGMLLDQLRSHCTVKDPESLLVPAPLSGPRRYQVMRQHSRQQLSFH</p> <p>IDSSSSSSSGQLVDFTLREFLWQHVELVLSKKGFDSDVGRNPQPSHFELPTYQKWI</p> |

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SAASKLYEVAIDGKEEDLGSPGTGELTSKILSSIKVLEGFLDIDTKFSENRCQKALPMAH  
 SAYQSNLPHNYTMTVHKNQLAQALRVYSQHARGPAFHKYAMQLHEDCYKFWSNG  
 HQLCEERSLTDQHCVHKFHSPLKSGEKPEADRNPVLYHNSRARSTGACNCGRKQ  
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 DADKLKEKEPQTQGESTSLSLALSLGQSTDLSGTYPADPQAGGDNPEVHGQVEVKT  
 EKRPNFVDRQASTVEYLPGLMLHSNCPKGLLPKFSSWSLVKLGPASYNFHTGLDQ  
 QGFIPGTNYLMPWDIVIRTRAEDGEGLDTNSWPAPNKAIPGKRSAVVMGRGRRRDD  
 IARAFVGFYEDSRGRRFMCSGPDKVMKVMGSGPKESALKALNSDMPLYILSSSQG  
 RGLKPHYAQLMRLFVVVPDAPLQIILMPQVQPGPPPCPVFYPEKQEITLPPDGLWVL  
 RFPYAYVTERGPCFPKENVQLMSYKVLRGVLKAVTQTRTRPLEQKLISEEDLAAND  
 ILDYKDDDDKV

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

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** SMG8 SMG8 nonsense mediated mRNA decay factor [ Homo sapiens (human) ]

**Official Symbol** SMG8

**Synonyms** SMG8; smg-8 homolog, nonsense mediated mRNA decay factor (C. elegans); C17orf71, chromosome 17 open reading frame 71; protein SMG8; FLJ10587;

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FLJ23205; protein smg-8 homolog; amplified in breast cancer gene 2 protein;  
C17orf71;

**Gene ID** [55181](#)

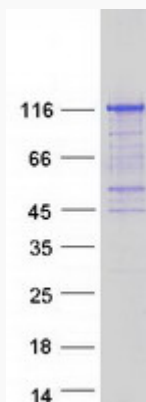
**mRNA Refseq** [NM\\_018149](#)

**Protein Refseq** [NP\\_060619](#)

**MIM** [613175](#)

**UniProt ID** [Q8ND04](#)

**SDS-PAGE**



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