Recombinant Mouse Smg8 Protein, Myc/DDK-tagged

Cat. No. Smg8-5967M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length smg-8 homolog, nonsense mediated mRNA decay factor (C. elegans) (Smg8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	109.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Smg8 smg-8 homolog, nonsense mediated mRNA decay factor (C. elegans) [Mus musculus (house mouse)]
Official Symbol	Smg8
Synonyms	Smg8; smg-8 homolog, nonsense mediated mRNA decay factor (C. elegans); 1200011M11Rik; protein SMG8; CG6729 gene product; protein smg-8 homolog
Gene ID	74133
mRNA Refseq	NM_024262
Protein Refseq	NP_077224
UniProt ID	Q8VE18

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