Protein SMG8 (SMG8) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein SMG8 (SMG8), Recombinant Protein
Full Product Name	Recombinant Bovine Protein SMG8 (SMG8) , partial
Product Gene Name	SMG8 recombinant protein
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	105,017 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for A1A4J7
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SMG8 recombinant protein	MBS1158024 is a recombinant protein targeting SMG8. Also known as Recombinant Bovine Protein SMG8 (SMG8) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SMG8 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMG8. It may not necessarily be applicable to this product.

NCBI GI #	122692591
NCBI GeneID	522040
NCBI Accession #	NP_001073755.1
UniProt Primary Accession #	A1A4J7
UniProt Related Accession #	A1A4J7
GenBank Nucleotide #	NM_001080286.1
NCBI Official Full Name	protein SMG8
NCBI Official Symbol	SMG8
NCBI Official Synonym Symbols	C19H17orf71
UniProt Protein Name	Protein SMG8

UniProt Synonym Protein Names	Protein smg-8 homolog
Protein Family	Protein
UniProt Gene Name	SMG8
NCBI Protein Information	protein SMG8
UniProt Comments for SMG8	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 ().
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