Probable Small Nuclear Ribonucleoprotein G (smg1) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable small nuclear ribonucleoprotein G (smg1), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Probable small nuclear ribonucleoprotein G (smg1)
Product Gene Name	smg1 recombinant protein
Sequence	MSKAGAPDLK KYLDRQVFVQ LNGSRKVYGV LRGYDIFLNI VLEDSIEEKV DGEKVKIGSV AIRGNSVIMI ETLDKMT
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	8,604 Da
Sequence Positions	1-77, Full length
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 O74966
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for smg1 recombinant protein	MBS1168785 is a recombinant protein targeting smg1. Also known as Recombinant Schizosaccharomyces pombe Probable small nuclear ribonucleoprotein G (smg1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of smg1 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 smg1. It may not necessarily be applicable to this product.

NCBI GI #	19113214
NCBI GeneID	2540855
NCBI Accession #	NP_596422.1
UniProt Primary Accession #	O74966
GenBank Nucleotide #	NM_001022341.2
NCBI Official Full Name	U4/U6 x U5 tri-snRNP complex Sm snRNP core protein Smg1
NCBI Official Symbol	smg1

UniProt Protein Name	Small nuclear ribonucleoprotein G
UniProt Synonym Protein Names	Sm protein G; Sm-G; SmG
Protein Family	Probable serine/threonine-protein kinase
UniProt Gene Name	smg1
UniProt Synonym Gene Names	snRNP-G; Sm-G; SmG
NCBI Protein Information	U4/U6 x U5 tri-snRNP complex Sm snRNP core protein Smg1
UniProt Comments for smg1	Involved in pre-mRNA splicing. Binds snRNA U1, U2, U4 and U5 which contain a highly conserved structural motif called the Sm binding site ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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