Guanine Nucleotide Exchange Factor SRM1 (SRM1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Guanine nucleotide exchange factor SRM1 (SRM1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Guanine nucleotide exchange factor SRM1 (SRM1)
Product Gene Name	SRM1 recombinant protein
Sequence	MVKRTVATNG DASGAHRAKK MSKTHASHII NAQEDYKHMY LSVQPLDIFC WGTGSMCELG LGPLAKNKEV KRPRLNPFLP RDEAKIISFA VGGMHTLALD EESNVWSWGC NDVGALGRDT SNAKEQLKDM DADDSSDDED GDLNELESTP AKIPRESFPP LAEGHKVVQL AATDNMSCAL FSNGEVYAWG TFRCNEGILG FYQDKIKIQK TPWKVPTFSK YNIVQLAPGK DHILFLDEEG MVFAWGNGQQ NQLGRKVMER FRLKTLDPRP FGLRHVKYIA SGENHCFALT KDNKLVSWGL NQFGQCGVSE DVEDGALVTK PKRLALPDNV VIRSIAAGEH HSLILSQDGD LYSCGRLDMF EVGIPKDNLP EYTYKDVHGK ARAVPLPTKL NNVPKFKSVA AGSHHSVAVA QNGIAYSWGF GETYAVGLGP FEDDTEVPTR IKNTATQDHN IILVGCGGQF SVSGGVKLSD EDAEKRADEM DD
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	53,014 Da
Sequence Positions	1-482, full length protein
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 P21827
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SRM1 recombinant protein	MBS1127885 is a recombinant protein targeting SRM1. Also known as Recombinant Saccharomyces cerevisiae Guanine nucleotide exchange factor SRM1 (SRM1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SRM1 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 SRM1. It may not necessarily be applicable to this product.

NCBI GI #	6321341
NCBI GeneID	852782
NCBI Accession #	NP_011418.1
UniProt Primary Accession #	P21827

UniProt Secondary Accession #	D6VU48
UniProt Related Accession #	P21827
GenBank Nucleotide #	NM_001180962.1
NCBI Official Full Name	Ran guanyl-nucleotide exchange factor
NCBI Official Symbol	SRM1
NCBI Official Synonym Symbols	MTR1; PRP20; TSM437
UniProt Protein Name	Guanine nucleotide exchange factor SRM1
UniProt Synonym Protein Names	Pheromone response pathway component SRM1; Pre-mRNA-processing protein 20; Regulator of chromosome condensation; Suppressor of receptor mutations 1; mRNA transport protein 1
Protein Family	Guanine nucleotide exchange factor
UniProt Gene Name	SRM1
UniProt Synonym Gene Names	MTR1; PRP20
NCBI Protein Information	Ran guanyl-nucleotide exchange factor
UniProt Comments for SRM1	Guanine nucleotide exchange factor that promotes the exchange of GSP1/GSP2-bound GDP by GTP and controls RNA metabolism and transport. Involved in yeast pheromone response pathway and in mRNA metabolism. Involved in nuclear pore complex (NPC) assembly and required for mRNA and ribosome nuclear export. Binds chromatin and is involved NPC-mediated transcriptional control.
Research Articles on SRM1	**1.** Study reveals that Prp20p and RCC1 share similar Ran GTPase binding mode.
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