Single-Stranded DNA-Binding Protein, Mitochondrial (SSBP1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Single-stranded DNA-binding protein, mitochondrial (Ssbp1), Recombinant Protein
Full Product Name	Recombinant Mouse Single-stranded DNA-binding protein, mitochondrial (Ssbp1)
Product Gene Name	Ssbp1 recombinant protein
Product Synonym Gene Name	Ssbp1
Sequence	ESEVASSLVL ERSLNRVQLL GRVGQDPVMR QVEGKNPVTI FSLATNEMWR SGDSEVYQMG DVSQKTTWHR ISVFRPGLRD VAYQYVKKGA RIFVEGKVDY GEYMDKNNVR RQATTIIAGK KLVVHSVSGC SLEGLA
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	17,319 Da
Sequence Positions	17-152, 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 Q9CYR0
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ssbp1 recombinant protein	MBS1385728 is a recombinant protein targeting Ssbp1. Also known as Recombinant Mouse Single-stranded DNA-binding protein, mitochondrial (Ssbp1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ssbp1 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 Ssbp1. It may not necessarily be applicable to this product.

NCBI GI #	47058964
NCBI GeneID	381760
NCBI Accession #	NP_082634.1
UniProt Primary Accession #	Q9CYR0
UniProt Related Accession #	Q9CYR0
GenBank Nucleotide #	NM_028358.2

NCBI Official Full Name	single-stranded DNA-binding protein, mitochondrial isoform 2
NCBI Official Synonym Full Names	single-stranded DNA binding protein 1
NCBI Official Symbol	Ssbp1
NCBI Official Synonym Symbols	MtSSB; mtDBP; 2810480P10Rik; G630031O20Rik
UniProt Protein Name	Single-stranded DNA-binding protein, mitochondrial
UniProt Gene Name	Ssbp1
UniProt Synonym Gene Names	Mt-SSB; MtSSB
NCBI Protein Information	single-stranded DNA-binding protein, mitochondrial
UniProt Comments for Ssbp1	This protein binds preferentially and cooperatively to ss-DNA. Probably involved in mitochondrial DNA replication. Associates with mitochondrial DNA ().
Research Articles on Ssbp1	**1.** SSBp1 deletion results in increased chromosomal aberrations and localizes to telomeres and participate in the repair of uncapped telomeres.
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