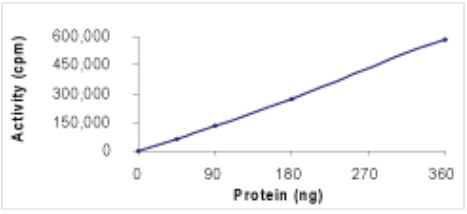
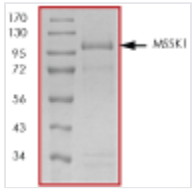
MSSK1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	MSSK1, Recombinant Protein
Full Product Name	MSSK1, Active
Product Gene Name	MSSK1 recombinant protein
Product Synonym Names	STK23; SRPK3; MGC102944
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Molecular Weight	61,886 Da
Tag	GST
Species	Human
Dry Ice Shipment	Extra charge fee may add to your shipping cost as dry ice is required to ship this product.
Product Categories/Family for MSSK1 recombinant protein	Protein Kinases; Cardiovascular Disease; Ser/Thr Kinases
Applications Tested/Suitable for MSSK1 recombinant protein	Kinase Assay, Western Blot (WB)
Related Product Information for MSSK1 recombinant protein	Recombinant full-length human MSSK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC117124. MSSK1, also known as SRPK3, is a muscle-specific protein kinase belonging to the serine arginine protein kinase family which phosphorylates serine/arginine repeat-containing proteins. Heart and skeletal muscle show high expression of the MSSK1/SRPK3 gene product. SRPK3-null mice display a new entity of type 2 fiber-specific myopathy with a marked increase in centrally placed nuclei. Transgenic mice overexpressing SRPK3 in skeletal muscle show severe myofiber degeneration and early lethality (1).
Product References and Citations for MSSK1 recombinant protein	1. Nakagawa, O. et al: Centronuclear myopathy in mice lacking a novel muscle-specific protein kinase transcriptionally regulated by MEF2. Genes Dev. 2005 Sep 1;19(17):2066-77.
Other Notes	Small volumes of MSSK1 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.
Searchable Terms for MSSK1 purchase	MBS517592 is a recombinant protein targeting MSSK1. Also known as MSSK1, Active. Host: Sf9 insect cells.



Activity of MSSK1 recombinant protein
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.



SDS-Page of MSSK1 recombinant protein
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MSSK1. It may not necessarily be applicable to this product.

NCBI GI #	109658465
NCBI GeneID	26576
NCBI Accession #	BC117124
UniProt Secondary Accession #	Q13583; Q4F970; Q562F5; Q9UM62
UniProt Related Accession #	Q9UPE1
NCBI Official Full Name	Homo sapiens SFRS protein kinase 3, mRNA
NCBI Official Synonym Full Names	SRSF protein kinase 3
NCBI Official Symbol	SRPK3
NCBI Official Synonym Symbols	MSSK1; STK23; MSSK-1
NCBI Protein Information	SRSF protein kinase 3
NCBI Summary for MSSK1	This gene encodes a protein kinase similar to a protein kinase which is specific for the SR (serine/arginine-rich domain) family of splicing factors. A highly similar protein has been shown to play a role in muscle development in mice. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]
Research Articles on MSSK1	**1.** Alternative splicing of the alpha-exon of MEF2C regulates myogenesis. Loss of SRPK3 in rhabdomyosarcoma cells inhibits this splicing and blocks differentiation.
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