Stress-Induced-Phosphoprotein 1 (STIP1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Stress-induced-phosphoprotein 1 (Stip1), Recombinant Protein
Full Product Name	Recombinant Mouse Stress-induced-phosphoprotein 1 (Stip1)
Product Gene Name	Stip1 recombinant protein
Product Synonym Gene Name	Stip1
Sequence	MEQVNELKEK GNKALSAGNI DDALQCYSEA IKLDPQNHVL YSNRSAAYAK KGDYQKAYED GCKTVDLKPD WGKGYSRKAA ALEFLNRFEE AKRTYEEGLK HEANNLQLKE GLQNMEARLA ERKFMNPFNL PNLYQKLEND PRTRSLLSDP TYRELIEQLQ NKPSDLGTKL QDPRVMTTLS VLLGVDLGSM DEEEEAATPP PPPPPKKEPK PEPMEEDLPE NKKQALKEKE LGNDAYKKKD FDKALKHYDR AKELDPTNMT YITNQAAVHF EKGDYNKCRE LCEKAIEVGR ENREDYRQIA KAYARIGNSY FKEEKYKDAI HFYNKSLAEH RTPDVLKKCQ QAEKILKEQE RLAYINPDLA LEEKNKGNEC FQKGDYPQAM KHYTEAIKRN PRDAKLYSNR AACYTKLLEF QLALKDCEEC IQLEPTFIKG YTRKAAALEA MKDYTKAMDV YQKALDLDSS CKEAADGYQR CMMAQYNRHD SPEDVKRRAM ADPEVQQIMS DPAMRLILEQ MQKDPQALSE HLKNPVIAQK IQKLMDVGLI AIR
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	62,582 Da
Sequence Positions	1-543, 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 Q60864
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Stip1 recombinant protein	MBS1484449 is a recombinant protein targeting Stip1. Also known as Recombinant Mouse Stress-induced-phosphoprotein 1 (Stip1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Stip1 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 Stip1. It may not necessarily be applicable to this product.

NCBI GI #	14389431
NCBI GeneID	20867
NCBI Accession #	NP_058017.1

UniProt Primary Accession #	Q60864
UniProt Secondary Accession #	Q3TT16; Q8BPH3; Q99L66
UniProt Related Accession #	Q60864
GenBank Nucleotide #	NM_016737.2
NCBI Official Full Name	stress-induced-phosphoprotein 1
NCBI Official Synonym Full Names	stress-induced phosphoprotein 1
NCBI Official Symbol	Stip1
NCBI Official Synonym Symbols	Hop; p60; Sti1
UniProt Protein Name	Stress-induced-phosphoprotein 1
UniProt Synonym Protein Names	Hsc70/Hsp90-organizing protein; Hop
UniProt Gene Name	Stip1
UniProt Synonym Gene Names	STI1; mSTI1; Hop
NCBI Protein Information	stress-induced-phosphoprotein 1
UniProt Comments for Stip1	Acts as a co-chaperone for HSP90AA1. Mediates the association of the molecular chaperones HSPA8/HSC70 and HSP90.
Research Articles on Stip1	**1.** In conclusion, STIP1 is upregulated in HCC and associated with poor clinical prognosis. Blocking STIP1 activity suppresses HCC cell growth, providing the rationale for STIP1 as a potential therapeutic target in HCC.
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