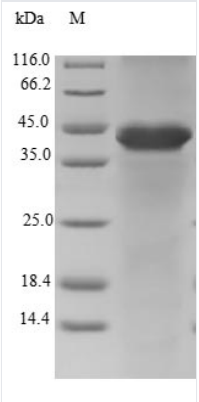
Mitotic Spindle-Associated MMXD Complex Subunit MIP18 (FAM96B) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mitotic spindle-associated MMXD complex subunit MIP18 (FAM96B), Recombinant Protein
Full Product Name	Recombinant Human Mitotic spindle-associated MMXD complex subunit MIP18 (FAM96B)
Product Gene Name	FAM96B recombinant protein
Product Synonym Gene Name	FAM96B; MIP18; CGI-128; HSPC118
Product Synonym Names	Mitotic spindle-associated MMXD complex subunit MIP18; MSS19-interacting protein of 18 kDa; Protein FAM96B
Sequence	VGGGGVGGGL LENANPLIYQ RSGERPVTAG EEDEQVPDSI DAREIFDLIR SINDPEHPLT LEELNVVEQV RVQVSDPEST VAVAFTPTIP HCSMATLIGL SIKVKLLRSL PQRFKMDVHI TPGTHASEHA VNKQLADKER VAAALENTHL LEVVNQCLSA RS
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	44.5 kDa
Sequence Positions	1-163aa; 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.
OMIM	614778
3D Structure	ModBase 3D Structure for Q9Y3D0
Species	Homo sapiens (Human)
Product Categories/Family for FAM96B recombinant protein	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FAM96B recombinant protein	Component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins. As part of the mitotic spindle-associated MMXD complex it plays a role in chromosome segregation, probably by facilitating iron-sulfur cluster assembly into ERCC2/XPD.
Other Notes	Small volumes of FAM96B 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 FAM96B purchase	MBS1281925 is a recombinant protein targeting FAM96B. Also known as Recombinant Human Mitotic spindle-associated MMXD complex subunit MIP18 (FAM96B). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-PAGE of FAM96B recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FAM96B. It may not necessarily be applicable to this product.

NCBI GI #	7706343
NCBI GeneID	51647
NCBI Accession #	NP_057146.1
UniProt Primary Accession #	Q9Y3D0
UniProt Related Accession #	Q9Y3D0
GenBank Nucleotide #	NM_016062.3
NCBI Official Full Name	mitotic spindle-associated MMXD complex subunit MIP18
NCBI Official Synonym Full Names	family with sequence similarity 96, member B
NCBI Official Symbol	FAM96B
NCBI Official Synonym Symbols	MIP18; CGI-128
UniProt Protein Name	Mitotic spindle-associated MMXD complex subunit MIP18
UniProt Synonym Protein Names	MSS19-interacting protein of 18 kDa; Protein FAM96B
Protein Family	MIP18 family protein
UniProt Gene Name	FAM96B
UniProt Synonym Gene Names	MIP18
UniProt Entry Name	MIP18_HUMAN
NCBI Protein Information	mitotic spindle-associated MMXD complex subunit MIP18; MSS19-interacting protein of 18 kDa
UniProt Comments for FAM96B	FAM96B: Component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins. As part of the mitotic spindle-associated MMXD complex it plays a role in chromosome segregation, probably by facilitating iron-sulfur cluster assembly into ERCC2/XPD. Belongs to the MIP18 family. Chromosomal Location of Human Ortholog: 16q22.1 Cellular Component: nucleoplasm; cytoplasm; spindle; nucleus Molecular Function: protein binding Biological Process: iron-sulfur cluster assembly; chromosome segregation

Research Articles on FAM96B	**1.** CIA2B-CIA1-MMS19 and CIA2A-CIA1 assist different branches of Fe/S protein assembly and intimately link this process to cellular iron regulation via IRP1 Fe/S cluster maturation and IRP2 stabilization.
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