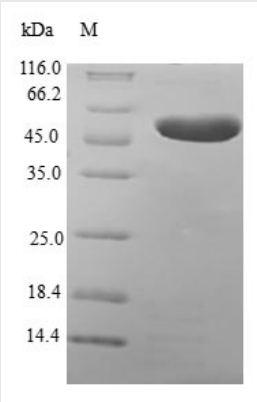
Metaxin-2 (MTX2) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Metaxin-2 (MTX2), Recombinant Protein
Full Product Name	Recombinant Human Metaxin-2 (MTX2)
Product Gene Name	MTX2 recombinant protein
Product Synonym Names	Metaxin-2; Mitochondrial outer membrane import complex protein 2
Sequence	MSLVAEAFVS QIAAAEPWPE NATLYQQLKG EQILLSDNAA SLAVQAFLQM CNLPIKVVCR ANAEYMSPSG KVPFIHVGNQ VVSELGPIVQ FVKAKGHSLS DGLEEVQKAE MKAYMELVNN MLLTAELYLQ WCDEATVGEI THARYGSPYP WPLNHILAYQ KQWEVKRKMK AIGWGKKTLD QVLEDVDQCC QALSQRLGTQ PYFFNKQPTE LDALVFGHLY TILTTQLTND ELSEKVKNYS NLLAFCRRIE QHYFEDRGKG RLS
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	56.8 kDa
Sequence Positions	1-263aa; 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	608555
3D Structure	ModBase 3D Structure for O75431
Species	Homo sapiens (Human)
Product Categories/Family for MTX2 recombinant protein	Tags & Cell Markers
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MTX2 recombinant protein	MBS1254490 is a recombinant protein targeting MTX2. Also known as Recombinant Human Metaxin-2 (MTX2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. Involved in transport of proteins into the mitochondrion.
Other Notes	Small volumes of MTX2 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.



SDS-PAGE of MTX2 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTX2. It may not necessarily be applicable to this product.

NCBI GI #	5729937
NCBI GeneID	10651
NCBI Accession #	NP_006545.1
UniProt Primary Accession #	O75431
UniProt Secondary Accession #	Q53S50; Q53SQ2; Q5M7Z6; Q8IZ68; A8JZZ4
UniProt Related Accession #	O75431
GenBank Nucleotide #	NM_006554.4
NCBI Official Full Name	metaxin-2
NCBI Official Synonym Full Names	metaxin 2
NCBI Official Symbol	MTX2
UniProt Protein Name	Metaxin-2
UniProt Synonym Protein Names	Mitochondrial outer membrane import complex protein 2
Protein Family	Metaxin
UniProt Gene Name	MTX2
UniProt Entry Name	MTX2_HUMAN
NCBI Protein Information	metaxin-2; mitochondrial outer membrane import complex protein 2
NCBI Summary for MTX2	The protein encoded by this gene is highly similar to the metaxin 2 protein from mouse, which has been shown to interact with the mitochondrial membrane protein metaxin 1. Because of this similarity, it is thought that the encoded protein is peripherally associated with the cytosolic face of the outer mitochondrial membrane, and that it is involved in the import of proteins into the mitochondrion. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 7. [provided by RefSeq, Jun 2009]
UniProt Comments for MTX2	MTX2: Involved in transport of proteins into the mitochondrion. Belongs to the metaxin family. Protein type: Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 2q31.1 Cellular Component: mitochondrial outer membrane Biological Process: cellular protein metabolic process; protein targeting to mitochondrion; mitochondrial transport

Research Articles on MTX2	**1.** Observational study of gene-disease association. (HuGE Navigator)
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