MTX2 / Metaxin-2 (MTX2) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	MTX2 / Metaxin-2, Recombinant Protein
Full Product Name	Human MTX2 / Metaxin-2 Recombinant Protein
Product Gene Name	MTX2 recombinant protein
Product Synonym Names	Metaxin-2; Mitochondrial outer membrane import complex protein 2
Host	E Coli
Form/Format	Liquid; 50mM NaH2PO4, 500mM NaCl Buffer with 500mM Imidazole, 10% Glycerol (PH8.0)
Purity/Purification	>95% by SDS-PAGE
Concentration	Reconstitution Dependent (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid repeated freezing and thawing.
OMIM	608555
3D Structure	ModBase 3D Structure for O75431
Species	Human
Tag	His
Subunit	Interacts with MTX1/metaxin-1. Associates with the mitochondrial contact site and cristae organizing system (MICOS) complex, composed of at least MINOS1/MIC10, CHCHD3/MIC19, CHCHD6/MIC25, APOOL/MIC27, IMMT/MIC60, APOO/MIC23/MIC26 and QIL1/MIC13. This complex was also known under the names MINOS or MitOS complex. The MICOS complex associates with mitochondrial outer membrane proteins SAMM50, MTX1, MTX2 and DNAJC11, mitochondrial inner membrane protein TMEM11 and with HSPA9.
Entry Function	Involved in transport of proteins into the mitochondrion.
Applications Tested/Suitable for MTX2 recombinant protein	ELISA (EIA), Western Blot (WB), Antigen Protein (AP), Protein Array
Related Product Information for MTX2 recombinant protein	MBS2902283 is a recombinant protein targeting MTX2. Also known as Human MTX2 / Metaxin-2 Recombinant Protein. Host: E Coli.
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.

ADDITIONAL DETAILS

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

NCBI GI #	13124345
NCBI GeneID	10651
NCBI Accession #	O75431.1
UniProt Primary Accession #	O75431
UniProt Related Accession #	O75431
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
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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