Metallothionein-2 (MT2) Cricetulus Griseus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Metallothionein-2 (MT2), Recombinant Protein
Full Product Name	Recombinant Cricetulus griseus Metallothionein-2 (MT2)
Product Gene Name	MT2 recombinant protein
Sequence	MDPNCSCATD GSCSCAGSCK CKECKCTTCK KSCCSCCPVG CAKCSQGCVC KEASDKCSCC A
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	6,146 Da
Sequence Positions	1-61, 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 P67981
Species	Cricetulus griseus (Chinese hamster) (Cricetulus barabensis griseus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MT2 recombinant protein	MBS1253428 is a recombinant protein targeting MT2. Also known as Recombinant Cricetulus griseus Metallothionein-2 (MT2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MT2 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 MT2. It may not necessarily be applicable to this product.

NCBI GI #	347360913
NCBI GeneID	100689479
NCBI Accession #	NP_001231506.1
UniProt Primary Accession #	P67981
UniProt Secondary Accession #	P02799
UniProt Related Accession #	P67981
GenBank Nucleotide #	NM_001244577.1
NCBI Official Full Name	metallothionein-2

NCBI Official Symbol	Mt2
NCBI Official Synonym Symbols	MT-2; MT-II
UniProt Protein Name	Metallothionein-2
UniProt Synonym Protein Names	Metallothionein-II; MT-II
Protein Family	Metallothionein
UniProt Gene Name	MT2
UniProt Synonym Gene Names	MT-2; MT-II
NCBI Protein Information	metallothionein-2
UniProt Comments for MT2	Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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