Metallothionein-4 (MT4) Dog Recombinant Protein

PRODUCT OVERVIEW

Product Name	Metallothionein-4 (MT4), Recombinant Protein
Full Product Name	Recombinant Dog Metallothionein-4 (MT4)
Product Gene Name	MT4 recombinant protein
Product Synonym Gene Name	MT4
Sequence	MDPGECTCMS GGICICGDNC KCTTCNCKTC RKSCCPCCPP GCAKCAQGCI CKGGSDKCSC CA
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	6,249 Da
Sequence Positions	1-62, 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 Q9TUI5
Species	Canis familiaris (Dog) (Canis lupus familiaris)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MT4 recombinant protein	MBS1309221 is a recombinant protein targeting MT4. Also known as Recombinant Dog Metallothionein-4 (MT4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MT4 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 MT4. It may not necessarily be applicable to this product.

NCBI GI #	55741494
NCBI GeneID	403769
NCBI Accession #	NP_001003150.1
UniProt Primary Accession #	Q9TUI5
UniProt Related Accession #	Q9TUI5
GenBank Nucleotide #	NM_001003150.1
NCBI Official Full Name	metallothionein-4

NCBI Official Synonym Full Names	metallothionein 4
NCBI Official Symbol	MT4
UniProt Protein Name	Metallothionein-4
UniProt Synonym Protein Names	Metallothionein-IV; MT-IV
UniProt Gene Name	MT4
UniProt Synonym Gene Names	MT-4; MT-IV
NCBI Protein Information	metallothionein-4
UniProt Comments for MT4	Seems to bind zinc and copper. Could play a special role in regulating zinc metabolism during the differentiation of stratified epithelia ().
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