CTD Nuclear Envelope Phosphatase 1 (CTDNEP1) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	CTD nuclear envelope phosphatase 1 (CTDNEP1), Recombinant Protein
Full Product Name	Recombinant Bovine CTD nuclear envelope phosphatase 1 (CTDNEP1), partial
Product Gene Name	CTDNEP1 recombinant protein
Product Synonym Gene Name	CTDNEP1
Sequence	MMRTQCLLGL RTFVAFAAKL WSFFIYLLRR QIRTVIQYQT VRYDILPLSP VSRNRLSQVK RKILVLDLDE TLIHSHHDGV LRPTVRPGTP PDFILKVVID KHPVRFFVHK RPHVDFFLEV VSQWYELVVF TASMEIYGSA VADKLDNSRS ILKRRYYRQH CTLELGSYIK DLSVVHSDLS SIVILDNSPG AYRSHPDNAI PIKSWFSDPS DTALLNLLPM LDALRFTADV RSVLSRNLHQ HRLW
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	28,393 Da
Sequence Positions	1-244
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 Q1RMV9
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CTDNEP1 recombinant protein	MBS1374823 is a recombinant protein targeting CTDNEP1. Also known as Recombinant Bovine CTD nuclear envelope phosphatase 1 (CTDNEP1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CTDNEP1 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 CTDNEP1. It may not necessarily be applicable to this product.

NCBI GI #	114051165
NCBI GeneID	509192
NCBI Accession #	NP_001039491.1
UniProt Primary Accession #	Q1RMV9
UniProt Related Accession #	Q1RMV9

GenBank Nucleotide #	NM_001046026.1
NCBI Official Full Name	CTD nuclear envelope phosphatase 1
NCBI Official Synonym Full Names	CTD nuclear envelope phosphatase 1
NCBI Official Symbol	CTDNEP1
NCBI Official Synonym Symbols	DULLARD
UniProt Protein Name	CTD nuclear envelope phosphatase 1
UniProt Synonym Protein Names	Serine/threonine-protein phosphatase dullard
Protein Family	CTD nuclear envelope phosphatase
UniProt Gene Name	CTDNEP1
UniProt Synonym Gene Names	DULLARD
NCBI Protein Information	CTD nuclear envelope phosphatase 1
UniProt Comments for CTDNEP1	Serine/threonine protein phosphatase forming with CNEP1R1 an active phosphatase complex that dephosphorylates and may activate LPIN1 and LPIN2. LPIN1 and LPIN2 are phosphatidate phosphatases that catalyze the conversion of phosphatidic acid to diacylglycerol and control the metabolism of fatty acids at different levels. May indirectly modulate the lipid composition of nuclear and/or endoplasmic reticulum membranes and be required for proper nuclear membrane morphology and/or dynamics. May also indirectly regulate the production of lipid droplets and triacylglycerol. May antagonize BMP signaling ().
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