T-Complex Protein 1 Subunit Delta (CCT4) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	T-complex protein 1 subunit delta (Cct4), Recombinant Protein
Full Product Name	Recombinant Rat T-complex protein 1 subunit delta (Cct4)
Product Gene Name	Cct4 recombinant protein
Product Synonym Gene Name	Cct4
Sequence	PENVASRSGP PAAGPGNRGK GAYQDRDKPA QIRFSNISAA KAVADAIRTS LGPKGMDKMI QDGKGDVTIT NDGATILKQM QVLHPAARML VELSKAQDIE AGDGTTSVVI IAGSLLDSCT KLLQKGIHPT IISESFQKAL EKGLEILTDM SRPVQLSDRE TLLNSATTSL NSKVVSQYSS LLSPMSVNAV MKVIDPATAT SVDLRDIKIV KKLGGTIDDC ELVEGLVLTQ KVANSGITRV EKAKIGLIQF CLSAPKTDMD NQIVVSDYAQ MDRVLREERA YILNLVKQIK KTGCNVLLIQ KSILRDALSD LALHFLNKMK IMVVKDIERE DIEFICKTIG TKPVAHIDQF TPDMLGSAEL AEEVSLNGSG KLFKITGCTS PGKTVTIVVR GSNKLVIEEA ERSIHDALCV IRCLVKKRAL IAGGGAPEIE LALRLTEYSR TLSGMESYCV RAFADAMEVI PSTLAENAGL NPISTVTELR NRHAQGEKTT GINVRKGGIS NILEEMVVQP LLVSVSALTL ATETVRSILK IDDVVNTR
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	58,099 Da
Sequence Positions	2-539, 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 Q7TPB1
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cct4 recombinant protein	MBS1478707 is a recombinant protein targeting Cct4. Also known as Recombinant Rat T-complex protein 1 subunit delta (Cct4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Cct4 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 Cct4. It may not necessarily be applicable to this product.

NCBI GI #	33414505
NCBI GeneID	29374
NCBI Accession #	NP_877966.1

UniProt Primary Accession #	Q7TPB1
UniProt Related Accession #	Q7TPB1
GenBank Nucleotide #	NM_182814.2
NCBI Official Full Name	T-complex protein 1 subunit delta
NCBI Official Synonym Full Names	chaperonin containing TCP1 subunit 4
NCBI Official Symbol	Cct4
UniProt Protein Name	T-complex protein 1 subunit delta
UniProt Synonym Protein Names	CCT-delta
Protein Family	T-complex protein
UniProt Gene Name	Cct4
UniProt Synonym Gene Names	TCP-1-delta
NCBI Protein Information	T-complex protein 1 subunit delta
NCBI Summary for Cct4	chaperone protein involved in cystosolic protein folding; mutation in gene causes hereditary sensory neuropathy [RGD, Feb 2006]
UniProt Comments for Cct4	Molecular chaperone; assists the folding of proteins upon ATP hydrolysis. As part of the BBS/CCT complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Known to play a role, in vitro, in the folding of actin and tubulin ().
Research Articles on Cct4	**1.** C450Y CCT4 is defective in protein stability.
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