Coleoptile Phototropism Protein 1 (CPT1) Oryza Sativa Subsp. Japonica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Coleoptile phototropism protein 1 (CPT1), Recombinant Protein
Full Product Name	Recombinant Oryza sativa subsp. japonica Coleoptile phototropism protein 1 (CPT1), partial
Product Gene Name	CPT1 recombinant protein
Product Synonym Gene Name	CPT1
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	80,604 Da
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 Q5KS50
Species	Oryza sativa subsp. japonica (Rice)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CPT1 recombinant protein	MBS1327030 is a recombinant protein targeting CPT1. Also known as Recombinant Oryza sativa subsp. japonica Coleoptile phototropism protein 1 (CPT1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CPT1 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 CPT1. It may not necessarily be applicable to this product.

NCBI GI #	1002240938
NCBI GeneID	4329720
NCBI Accession #	XP_015624758.1
UniProt Primary Accession #	Q5KS50
UniProt Secondary Accession #	Q0E093; Q6YTG4
UniProt Related Accession #	Q5KS50
GenBank Nucleotide #	XM_015769272.1
NCBI Official Full Name	coleoptile phototropism protein 1

NCBI Official Symbol	LOC4329720
NCBI Official Synonym Symbols	CPT1; NPH3; P0025F02.3
UniProt Protein Name	Coleoptile phototropism protein 1
UniProt Synonym Protein Names	BTB/POZ domain-containing protein CPT1; Non-phototropic hypocotyl 3-like protein; NPH3-like protein
Protein Family	Cholinephosphotransferase
UniProt Gene Name	CPT1
UniProt Synonym Gene Names	NPH3-like protein
NCBI Protein Information	coleoptile phototropism protein 1
UniProt Comments for CPT1	May act as a substrate-specific adapter of an E3 ubiquitin-protein ligase complex (CUL3-RBX1-BTB) which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (). Plays a role as signal transduction component in coleoptile phototropism and lateral translocation of auxin.
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