

Recombinant Human T-complex protein 1 subunit beta(CCT2)

Catalog No: #AP70132

Package Size: #AP70132-1 20ug #AP70132-2 100ug #AP70132-3 1mg

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Description

Product Name	Recombinant Human T-complex protein 1 subunit beta(CCT2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-535aaSequence Info:Full Length of Mature Protein
Other Names	CCT-beta
Accession No.	P78371
Calculated MW	73.4 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	ASLSLAPVNIFKAGADEERAETARLTSFIGAIAIGDLVKSTLGPKGMDKILLSSGRDASLMVTNDGATILKNIGVD NPAAKVLVDMRSRVQDDEVGDGTTSVTVLAAELLREAESLIAKKIHPQTIIAGWREATKAAREALLSSAVDHGSD EVKFRQDLMNIAGTTLSSKLLTHHKDHFTKLAVEAVLRKGSNGLEAIIHKKLGGSLADSYLDEGFLLDKKIGVN QPKRIENAKILIANGTMDTDKIKIFGSRVRVDSTAKVAEIEHAEKEKMEKVERILKHGINCFINRQLIYNYPEQLF GAAGVMAIEHADFAGVERLALVTGGEIASTFDHPELVKLGSKLIEEVMIGEDKLIHFSGVALGEACTIVLRGAT QQILDEAERSLHDALCVLAQTVKDSRTVYGGGCSEMLMAHAVTQLANRTPGKEAVAMESYAKALRMLPTIAD NAGYDSADLVAQLRAAHSEGNTTAGLDMREGTIGDMAILGITESFQVKRQVLLSAAEAAEVILRVDNIIKAAPRK RVPDHHPC
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Molecular chaperone; assists the folding of proteins upon ATP hydrolysis. As part of the BBS,CCT complex may play a role in the assbly 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.

References

Maturation of human cyclin E requires the function of eukaryotic chaperonin CCT.Won K.-A., Schumacher R.J., Farr G.W., Horwich A.L., Reed S.I.Mol. Cell. Biol. 18:7584-7589(1998)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.