Datasheet for ABIN7564460

TBCD Protein (AA 1-1196) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	TBCD
Protein Characteristics:	AA 1-1196
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TBCD protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tbcd Protein expressed in mammalian cells.
Sequence:	MVLSNEPAAS AAEEEVEDDA LVRASALEAF GESAETRALL RSLPAVHRER ASREVAEERF RVIMDKYQEQ PHLLDPHLEW MMNSLLDLVQ DETSLPDLVH LAFKFLYIIT KVRGYKVFLR LFPHEVANVQ PVLDMFTGQN PKDHETWETR YMLLLWLSVT CLIPFDFSRL DGNLSTQTGE TRVPTMDRIL QIAESYLVVS DKARDAAAVL VSKFITRPDV KQRKMASFLD WSLCTLAHSS FQTIEGVITM DGMLQALAQI FKHGKREDCL PYANTVLQCL DGCRLPESSH TSLRKLGVKL VQRLGLTFLK PKVATWRYQR GCRSLAANLK LCAPGKSDQK LLSDSLTSDG DEDYDVPEGV ETVIEQLLVG LKDKDTVVRW SAAKGIGRMA GRLPRELADD VVGSVLDCFS FQETDKAWHG GCLALAELGR RGLLLPSRLS EVVTVILKAL TYDEKRGACS VGANVRDAAC YVCWAFARAY EPQELTPFVT AISSALVIAA VFDRNVNCRR AASAAFQENV GRQGTFPHGI DILTTADYFA VGNISNCFLI ISVFIAGFQE YTKPMIDHLV SMKINHWDGA IRELSAKALH NLTPQVPEYI AMHVFPALLL MTQSPDLHTR HGAILACAEV TYALYKLATQ SNRLVTDYLD EKAVQSLKQI HQQLCDRHLY RGLGGELMRQ AVCILIEKLS LSRMPFKGDA TVEGWQWLIN DTLRSLHLVS

Product Details

	SHSRQQIKEV AVSALTALCS EYYVKEPGEA GSSIAKELIP QYLAELQSPE EMARCGFSSA LGALPGFLLR GHLQQVLSGL RRVTCISPND VSFAEARRDG LKAISRICQT VGVNTRGPPD EVICKENISE VYAALLGCMS DYTTDSRGDV GAWVREAAMT SLMDLMLLLA RTEPVLIEAH ICERVMCCVA QQASEKIDRF RAHAARVFLT LLHFDSPPIP HVPHRQELES LFPRSDVATV NWNAPSQAFP LITQLLGLPT YRYHVLLGLA VSVGGLTEST VRHSTQSLFE YMKGIQKDAQ VLQSFSETLL KVFEDNLLND RVSVSLLKML DQLLANGCFD IFTAEENHPF CVKLLTLCKE EIKKSKDIQK LRSSIAVLCG MVQFNGDVRK KILLQLFLLL GHPFPVIRKS TASQVYEMVL TYSDLVDAEV LDEVMSVLSD TAWDAELPVV REQRNRLCDL LGVPRPQLVP KPIPGS **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TBCD
Alternative Name:	Tbcd (TBCD Products)

Target Details

Background:	Tubulin-specific chaperone D (Beta-tubulin cofactor D) (Tubulin-folding cofactor D),FUNCTION: Tubulin-folding protein implicated in the first step of the tubulin folding pathway and required for tubulin complex assembly. Involved in the regulation of microtubule polymerization or depolymerization, it modulates microtubule dynamics by capturing GTP-bound beta-tubulin (TUBB). Its ability to interact with beta tubulin is regulated via its interaction with ARL2. Acts as a GTPase-activating protein (GAP) for ARL2. Induces microtubule disruption in absence of ARL2. Increases degradation of beta tubulin, when overexpressed in polarized cells. Promotes epithelial cell detachment, a process antagonized by ARL2. Induces tight adherens and tight junctions disassembly at the lateral cell membrane. Required for correct assembly and maintenance of the mitotic spindle, and proper progression of mitosis. Involved in neuron morphogenesis. {ECO:0000250|UniProtKB:Q28205, ECO:0000250|UniProtKB:Q9BTW9}.
Molecular Weight:	133.3 kDa
UniProt:	Q8BYA0
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

