

Datasheet for ABIN7553528
COBL Protein (AA 1-1261) (His tag)



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Overview

Quantity:	1 mg
Target:	COBL
Protein Characteristics:	AA 1-1261
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COBL protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant COBL Protein expressed in mammalian cells.
Sequence:	MDAPRASAAK PPTGRKMKAR APPPPGKAAT LHVHSDQKPP HDGALGSQQN LVRMKEALRA STMDVTVVLP SGLEKRSVLN GSHAMMDLLV ELCLQNHLNP SHHALEIRSS ETQQPLSFKP NTLIGTLNVH TVFLKEKVPE EKVKPGPPKV PEKSVRLVN YLRTQKAVVR VSPEVPLQNI LPVICAACEV SPEHVLLRD NIAGEEELS KSLNELGIKE LYAWDNRRET FRKSSLGNDE TDKEKKKFLG FFKVnkRSNS KGCLTTPNSP SMHSRSLTLG PSLSLGSISG VSVKSEMKKR RAPPPPGSGP PVQDKASEKV SLGSQIDLQK KKRRAPAPP PQQPPPSPLI PNRTEDKEEN RKSTMVSLPL GSGSHCSPDG APQVLSEAE TVSVGSCFAS EDTTEDSGVM SSPSDIVSLD SQQDSMKYKD KWATDQEDCS DQDLAGTPDL GPQKSPLWEK NGENSHLRT EKAVTASNDE EDLLIAGEFR KTLAELEDL EEMEDSYETD TSSLTSSIHG ASNHCPQDAM IPHGDTDAIP VTFIGEVSDD PVDSGLFSNR NNNAGSFDSE GVASRRDSLA PLQAEHSQPH EKAREEVPAL HPASHDVGKG IRVALSNISK DGNLMETAPR VTSFASNLHT DNLNAKVKDK VYGCADGERT QATERVNSQP VNEKDSNDKN AALAPTSWHQ RGQNPgksyr LKHGLTTYKI IPPKSEMRCY

Product Details

DRDVSLSTGA IKIDELGNLV SPHATGIRII SLSSSVPEAE SQPIGKVREF WRCNSVEKHL
GRPSESSARG PPSTPVPTQT QNPESRLQAD PKPISPQQKS AHHEGRNPLG EGRNQPTMG
MGHVRVPAAH TTEVTFLKPQ RRTSSQYVAS AIAKRIGAPK VHADVVRPHG YAEKGYAGKA
PVLAAPPVTV KDDRTSSPHS ETQGWKDGAQ WPCVTPNNH GEDLAVGAPP RGEVIGPHRK
LSTQDRPAAI HRSSCFSLVQ SSQRDRVSVG QSCGFSGKQS TSSQEASSAS EPRRAPDGTD
PPPHTSDTQ ACSRELVNGS VRAPGHGEPH HPPGGSGTES HILLEREEKP SVFSTDGNET
DSIWPPSIFG PKKKFKPVVQ RPVPKDTSIH SALMEAIHSA GGDRLRKA EHTGGRPAK
LSYTEAEGER SALLAAIRGH SGTCSLRKVA SSASEELQSF RDAALSAQGS ESPLLEDLGL
LSPPAIPPPP PPSQALSAP RTASRFSTGT LSNTADARQA LMDAIRSGTG AARLRKVPLL V

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: COBL

Target Details

Alternative Name: [COBL \(COBL Products\)](#)

Background: Protein cordon-bleu,FUNCTION: Plays an important role in the reorganization of the actin cytoskeleton. Regulates neuron morphogenesis and increases branching of axons and dendrites. Regulates dendrite branching in Purkinje cells (By similarity). Binds to and sequesters actin monomers (G actin). Nucleates actin polymerization by assembling three actin monomers in cross-filament orientation and thereby promotes growth of actin filaments at the barbed end. Can also mediate actin depolymerization at barbed ends and severing of actin filaments. Promotes formation of cell ruffles. {ECO:0000250, ECO:0000269|PubMed:21816349}.

Molecular Weight: 135.6 kDa

UniProt: [O75128](#)

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
