

Datasheet for ABIN7563824
COBL Protein (AA 1-1337) (His tag)



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Overview

Quantity:	1 mg
Target:	COBL
Protein Characteristics:	AA 1-1337
Origin:	Mouse
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:	MDAPRALAAK PPTGRKMKAR APPPPGKPAA QNVHSEQKLP HDATLGSQQS LVYMKEALQN STLDITVVLP SGLEKQSVVS GSHAMMDLLV ELCLQNHLP SHHVLEIWSS ETQQPLSFKP NTLIGSLNVH TVLLKEKVP ERVKPGLTKA PEKSVRLVVN YLRTQKAVR VSPEVPLQNI LPVICAKEV NPEHVILLRD NVAGEEELS KSLNELGIKE LYAWDNRREM FRKSSLGNDE TDKEKKKFLG FFKANKRSNS KAEHLGLSGA DSDPAKSA SGGDLNGCVT TPNSPSLHSR SLTLGPSLSL GNISGVSMKS DMKKRRAPPP PSPKLLGQDK VSEKASLSSQ ADLQKKKRRR PAPPPPQPP PSPVVPNRKE DKEENRKSTV GVGRQVPQKP PRGTARGPPQ LVLPPPPYP PPDTDVTEPV TFPGEGAGSE TSELRPKLSL PLGPGSHCSM GGVSQVPAES EETASEDTTE DSGVMSSPSD AISLDSQQDS MRSKDKWSTD QEDGSDQDLA GPELGPQKS PSWGKSGSGS SILRTEKATM PTNDDDLFI TGHLHQLAE LDEDLEGMEE NYETDTSSLT NSVNGVSNHS LQEAIIPDSG VDDIPVTFIG EVSDEPFDSG LFSSRCNNAT TFNTGSIASQ RSHLSPSQTE HSQPFVRTSR KEPDPSPPSQ DNRKRNPQTL ANTSENPV ETDPTVTSV SKLLIDPKA

KDKGKVVHGSS HSEKTQAGHG INSLRVNPRD GKDESSNSAP PPWSHHGQAL GGSYGLKYGL
TTYKIVPPKS EMRCYDRDVS LSTGAIKIDE LGNLVSPHMN GSRTISPPSA VVETDTPPIG
KVKEFWRRNS MEKYLNGPAE CTIKRAPSTT ITATPEKPQQ DNGMKAAFTV TTPQQQPASQ
EYGAAHLEER SRPQSAVSCS VKVPASNPTD ITFLKPQRRT SSQYVASAIA KKMGGPPKVHA
DVVRPHKATT EQCHEEAKLA RSPPTRKDDA APNLHSEARQ HEHGTNQSSV CLPSNPGVQL
PAGGHPKVEV NSTYGKSSTQ DYPAAVHRNS YFLPGRSSHR DRVSVGQSCG FNEKQTTSNQ
KANSTSNFSQ ALDKAHPPL LLAEARDSGR ILMNGSARTP GNCEPPHSPK ESTLTSYIIL
QTEEKPSLS TDGQDADDTL PSSIFGPKKK FKPVIQRPLP KDVSLHSALM EAIHSSGGRE
KLRKTAEQTS EGRPCKPSYV EAESERSALL AAIRGHSGTL SLRKVSSLAS EELQSFRNAA
LGAPGLDKPQ QEDLGLPPPP ALPPPPAPAP QAPSASVTVS RFSTGTPSNS VNARQALMDA
IRSGTGAARL RKVPLLV **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
Alternative Name:	Cobl (COBL Products)
Background:	Protein cordon-bleu,FUNCTION: Plays an important role in the reorganization of the actin cytoskeleton. 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. Regulates neuron morphogenesis and increases branching of axons and dendrites. Regulates dendrite branching in Purkinje cells. {ECO:0000269 PubMed:17956734, ECO:0000269 PubMed:23223303}.
Molecular Weight:	143.9 kDa
UniProt:	Q5NBX1

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