

Datasheet for ABIN7553452
CLIP1 Protein (AA 1-1438) (His tag)



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Overview

Quantity:	1 mg
Target:	CLIP1
Protein Characteristics:	AA 1-1438
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLIP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CLIP1 Protein expressed in mammalian cells.
Sequence:	MSMLKPSGLK APTKILKPGS TALKTPTAVV APVEKTISSE KASSTPSSET QEEFVDDFRV GERVWVNGNK PGFIQFLGET QFAPGQWAGI VLDEPIGKND GSVAGVRYFQ CEPLKGIFTR PSKLTRKVQA EDEANGLQTT PASRATSPLC TSTASMVSSS PSTPSNIPQK PSQPAAKEPS ATPPISNLTK TASESISNLS EAGSIKKGGER ELKIGDRVLV GGTKAGVVRF LGETDFAKGE WCGVELDEPL GKNDGAVAGT RYFQCQPKYG LFAPVHKVTK IGFPSTTPAK AKANAVRRVM ATTSASLKRS PSASSLSSMS SVASSVSSRP SRTGLLTETS SRYARKISGT TALQEALKEK QQHIEQLLAE RDLERA EVAK ATSHVGEIEQ ELALARDGHD QHVLELEAKM DQLRTMVEAA DREKVELLNQ LEEEKRVKVED LQFRVEEESI TKGDLEQKSQ ISEDPENTQT KLEHARIKEL EQSLLFEKTK ADKLQRELED TRVATVSEKS RIMELEKDLA LRVQEVAELR RRLESNKPAG DVDMSLSLLQ EISSLQEKLE VTRTDHQREI TSLKEHFGAR EETHQKEIKA LYTATEKLSK ENESLSKLE HANKENS DVI ALWWSKLETA IASHQQAMEE LKVSFSKGLG TETAFAELK TQIEKMRLDY QHEIENLQNN QDSERAHAH EMEALRAKLM KVIKEKENS L EAIRSKL DKA

EDQHLVEMED TLNKLQEA EI KVKELEVLQA KCNEQTKVID NFTSQLKATE EKLLDLDALR
KASSEGKSEM KKLRRQLEAA EKQIKHLEIE KNAESSKASS ITRELQGREL KLTLNLQENLS
EVSQVKETLE KELQILKEKF AEASEEAVSV QRSMQETV NK LHQKEEQFNM LSSDLEKLRE
NLADMEAKFR EKDEREEQLI KAKEKLENDI AEIMKMSGDN SSQLTKMNDE LRLKERDVEE
LQLKLT KANE NASFLQKSIE DMTVKA EQSQ QEAAKKHEEE KKELERKLS D LEKKMETSHN
QCQELKARYE RATSETKTKH EELQNLQKT LLDTEDK LKG AREENSGLLQ ELEELRKQAD
KAKAAQTAED AMQIMEQMTK EKTETLASLE DTKQTN AKLQ NELDTLKENN LKNVEELNKS
KELLTVENQK MEEFRKEIET LKQAAAQSQ QLSALQEENV KLA EELGRSR DEVTSHQKLE
EERSVLNNQL LEMKKRESKF IKDADEEKAS LQKSISITSA LLTEKDAELE KLRNEVTVLR
GENASAKSLH SVVQTLES DK VKLELKVKNL ELQLKENKRQ LSSSSGNTDT QAEDERAQE
SQIDFLNSVI VDLQRKNQDL KMKVEMMSEA ALNGNGDDL N NYDSDDQEQK SKKKPRLFCD
ICDCFDLHDT EDCPTQAQMS EDPPHSTHHG SRGEERP YCE ICEMFGHWAT NCNDDETF

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:	CLIP1
Alternative Name:	CLIP1 (CLIP1 Products)
Background:	<p>CAP-Gly domain-containing linker protein 1 (Cytoplasmic linker protein 1) (Cytoplasmic linker protein 170 alpha-2) (CLIP-170) (Reed-Sternberg intermediate filament-associated protein) (Restin),FUNCTION: Binds to the plus end of microtubules and regulates the dynamics of the microtubule cytoskeleton. Promotes microtubule growth and microtubule bundling. Links cytoplasmic vesicles to microtubules and thereby plays an important role in intracellular vesicle trafficking. Plays a role macropinocytosis and endosome trafficking.</p> <p>{ECO:0000269 PubMed:12433698, ECO:0000269 PubMed:17563362, ECO:0000269 PubMed:17889670}.</p>
Molecular Weight:	162.2 kDa
UniProt:	P30622
Pathways:	Microtubule Dynamics

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