Datasheet for ABIN7564853

CLIP1 Protein (AA 1-1391) (His tag)

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Overview

Quantity:	1 mg
Target:	CLIP1
Protein Characteristics:	AA 1-1391
Origin:	Mouse
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 TALKTPAAAA APVEKTIPSE KASGPPSSET QEEFVDDFRV GERVWVNGNK PGFIQFLGET QFAPGQWAGI VLDEPIGKND GSVAGVRYFQ CEPLKGIFTR PSKLTRKVQA EDEANGLQAA PGRTASPLST AAATMVSSSP ATPSNIPHKP SQSTAKEPSA TPQISNLTKT ASESISNLSE AGSVKKGERE LKVGDRVLVG GTKAGVVRFL GETDFAKGEW CGVELDEPLG KNDGAVAGTR YFQCQPKYGL FAPVHKVTKI GFPSTTPAKA KAAAVRRVMA ATPASLKRSP SASSLSSMSS VASSVSSKPS RTGLLTETSS RYARKISGTT ALQEALKEKQ QHIEQLLAER DLERAEVAKA TSHVGEIEQE LALARDGHDQ HVLELEAKMD QLRTMVEAAD REKVELLNQL EEEKRKVEDL QFRVEEESIT KGDLEVATVS EKSRIMELEK DLALRAQEVA ELRRRLESSK PPGDVDMSLS LLQEISALQE KLEAIHTDHQ GEMTSLKEHF GAREEAFQKE IKALHTATEK LSKENESLRS KLDHANKENS DVIALWKSKL ETAIASHQQA MEELKVSFSK GIGTDSAEFA ELKTQIERLR LDYQHEIESL QSKQDSERSA HAKEMETMQA KLMKIIKEKE DSLEAVKARL DSAEDQHLVE MEDTLNKLQE AEIKVKELEV LQAKYTEQSE VIGNFTSQLS

	AVKEKLLDLD ALRKANSEGK LELETLRQQL EGAEKQIKNL ETERNAESSK ANSITKELQE KELVLTGLQD SLNQVNQVKE TLEKELQTLK EKFASTSEEA VSAQTRMQDT VNKLHQKEEQ FNVLSSELEK LRENLTDMEA KFKEKDDRED QLVKAKEKLE NDIAEIMKMS GDNSSQLTKM NDELRLKERS VEELQLKLTK ANENASFLQK SIGEVTLKAE QSQQQAARKH EEEKKELEEK LLELEKKMET SYNQCQDLKA KYEKASSETK TKHEEILQNL QKMLADTEDK LKAAQEANRD LMQDMEELKT QADKAKAAQT AEDAMQIMEQ MTKEKTETLA SLEDTKQTNA RLQNELDTLK ENNLKTVEEL NKSKELLSVE NQKMEEFKKE IETLKQAAAQ KSQQLSALQE ENVKLAEELG RTRDEVTSHQ KLEEERSVLN NQLLEMKKRE SEFRKDADEE KASLQKSISL TSALLTEKDA ELEKLRNEVT VLRGENATAK SLHSVVQTLE SDKVKLELKV KNLELQLKEN KRQLSSSSGN TDAQAEEDER AQESQIDFLN SVIVDLQRKN QDLKMKVEMM SEAALNGNGE DLNSYDSDDQ EKQSKKKPRL FCDICDCFDL HDTEDCPTQA QMSEDPPHST HHGSRSEERP YCEICEMFGH WATNCNDDET F **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:	CAP-Gly domain-containing linker protein 1 (Cytoplasmic linker protein 170) (CLIP-170) (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. {ECO:0000250|UniProtKB:P30622}.
Molecular Weight:	155.8 kDa
UniProt:	Q922J3
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

