

Datasheet for ABIN7564242

CLASP1 Protein (AA 1-1535) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CLASP1
Protein Characteristics:	AA 1-1535
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLASP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Clasp1 Protein expressed in mammalian cells.
Sequence:	MEPRMESCLA QVLQKDVGKR LQVGQELIDY FSDRQKSADL EHDQTLDDKL VDGLATSWVN SSNYKVVLLG MDILSALVTR LQDRFKAQIG TVLPSLIDRL GDAKDSVREQ DQTLKKIMD QAANPQYVWD RMLGGFKHKN FRTREGICLC LIATLNASGA QTLTSLKIVP HICNLLGDPN SQVRDAAINS LVEIYRHVGE RVRADLSKKG LPQSRLNVIF TKFDEVQKSG NMIQSANEKN FDDEDSVDGN RPSSASSSSS KAPSSRRNV NLGTTTLLMS SSLGSKSSAA KEGAGAVDEE DFIKAFDDVP VVQIYSSRD EESINKIREI LSDDKHDWEQ RVNALKKIRS LLAGAAEYD NFFQHLRLLD GAFKLSAKDL RSQVREACI TLGHLSSVLG NKFDHGAEAI MPTIFNLIPN SAKIMATSGV VAVRLIIRHT HIPRLIPVIT SNCTSKSVAV RRRCFEFLDL LLQEWQTHSL ERHISVLAET IKKGIHDADS EARIEARKCY WGFHSHFSRE AEHLHYHTLES SYQKALQSHL KNSDSIVSLP QSDRSSSSSQ ESLNRPLSAK RSPTGSTASR GSTVSTKSVS TTGSLQRSRS DIDVNAASA KSKVSSSSGS PAFSSAAALP PGSYASLGRI RTRRQSSGST TNVASTPDSR

GRSRAKVVSQ SQRSRSANPA GAGSRSSSPG KLLGSGLAGG SSRGPPVTPS SEKRSKIPRS
QGCSRETSFN RIGLARSSRI PRPSMSQGCS RDTRESSRD TSPARGFTPL DRFGLGQSGR
IPGSVNAMRV LSTSTDLEAA VADALKKPVR RRYEPYGMYS DDDANSDASS VCSERSYGSR
NGGIPHYLRQ TEDVAEVLNH CASSNWSERK ELLGLQNLK KSQRTLRSVE LKRLCEIFTR
MFADPHSKRV FSMFLETLVD FIIHKDDLQ DWLFVLLTQL LKKMGADLLG SVQAKVQKAL
DVTRDSFPFD QQFNILMRFI VDQTQTPNLK VKVAILKYIE SLARQMDPTD FVNSSETRLA
VSRIITWTE PKSSDVRKAA QIVLISLFEL NTPEFTMLLG ALPKTFQDGA TKLLHNHLKN
SSNTGVGSPS NTIGRTPSRH PSSRTSPLTS PTNCSHGGLS PSRLWGWSAD GLSKPPPPFS
QPNSIPTAPS HKTLRRSYSP SMLDYDTENL NSEIYSSLR GVTEAIEKFS FRSQEDLNPE
IKRDGKKDCD IVSRDGAAS PATEGRGSE IEGGRMALDN KTSLLNTQPP RAFFGPRARE
YNPYPYSDTI NTYDKTALKE AVFDDDMEQL RDVPIDHSDL VADLLKELSN HNERVEERKG
ALLELLKTR EDSLGVWEEH FKTILLILLE TLGDKDHSIR ALALRVLREI LRNQPARKFN
YAELTIMKTL EAHKDSHKEV VRAAEAAAST LASSIHPEQC IKVLCPIIQT ADYPINLAAI
KMQTKVVERI TKESLLQLLV DIIPGLLQGY DNTESSVRKA SVFCLVAIYS VIGEDLKPHL
AQLTGSKMKL LNLYIKRAQT TNSNSSSSSD VSTHS **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.**

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, Western Blot

Grade: custom-made

Target Details

Target:	CLASP1
Alternative Name:	Clasp1 (CLASP1 Products)
Background:	CLIP-associating protein 1 (Cytoplasmic linker-associated protein 1),FUNCTION: Microtubule plus-end tracking protein that promotes the stabilization of dynamic microtubules. Involved in the nucleation of noncentrosomal microtubules originating from the trans-Golgi network (TGN). Required for the polarization of the cytoplasmic microtubule arrays in migrating cells towards the leading edge of the cell. May act at the cell cortex to enhance the frequency of rescue of depolymerizing microtubules by attaching their plus-ends to cortical platforms composed of ERC1 and PHLDB2. This cortical microtubule stabilizing activity is regulated at least in part by phosphatidylinositol 3-kinase signaling. Also performs a similar stabilizing function at the kinetochore which is essential for the bipolar alignment of chromosomes on the mitotic spindle (By similarity). {ECO:0000250}.
Molecular Weight:	169.2 kDa
UniProt:	Q80TV8
Pathways:	Microtubule Dynamics , M Phase , Maintenance of Protein Location

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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