

Datasheet for ABIN7553499

CLASP1 Protein (AA 1-1538) (His tag)[Go to Product page](#)

Overview

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|-------------------------------|-----------------------------------------------|
| Quantity: | 1 mg |
| Target: | CLASP1 |
| Protein Characteristics: | AA 1-1538 |
| Origin: | Human |
| 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

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| Purpose: | Custom-made recombinat CLASP1 Protein expressed in mammalian cells. |
| Sequence: | MEPRMESCLA QVLQKDVGKR LQVGQELIDY FSDKQKSADL EHDQTMLDKL VDGLATSWVN SSNYKVVLLG MDILSALVTR LQDRFKAQIG TVLPSLIDRL GDAKDSVREQ DQTLKKIMD QAANPQYVWD RMLGGFKHKN FRTREGICLC LIATLNASGA QTLTSLKIVP HICNLLGDPN SQVRDAAINS LVEIYRHVGE RVRADLSKKG LPQSRLNVIF TKFDEVQKSG NMIQSANDKN FDDEDSVDGN RPSSASSTSS KAPPSSRRNV GMGTTRRLGS STLGSKSSAA KEGAGAVDEE DFIKAFDDVP VVQIYSSRD EESINKIREI LSDDKHDWEQ RVNALKKIRS LLAGAAEYD NFFQHLRLLD GAFKLSAKDL RSQVREACI TLGHLSSVLG NKFDHGAEAI MPTIFNLIPN SAKIMATSGV VAVRLIIRHT HIPRLIPVIT SNCTSKSVAV RRRCFEFLDL LLQEWQTHSL ERHISVLAET IKKGIHDADS EARIEARKCY WGFHSHFSRE AEHLYHTLES SYQKALQSHL KNSDSIVSLP QSDRSSSSSQ ESLNRPLSAK RSPTGSTTSR ASTVSTKSVS TTGSLQRSRS DIDVNAASA KSKVSSSSGT TPFSSAAALP PGSYASLGRI RTRRQSSGSA TNVASTPDNR |

GRSRAKVVVSQ SQRSRSANPA GAGSRSSSPG KLLGSGYGGL TGGSSRGPPV TPSSEKRSKI
PRSQGCSRET SPNRIGLARS SRIPRPSMSQ GCSRDTRES SRDTSPARGF PPLDRFGLGQ
PGRIPGSVNA MRVLSTSTDL EAAVADALKK PVRRRYEPYG MYSDDDANS ASSVCSERSY
GSRNGGIPHY LRQTEDVAEV LNHCASSNWS ERKEGLLGLQ NLLKSQRTLS RVELKRLCEI
FTRMFADPHS KRVFSMFLET LVDFIIHKD DLQDWLFVLL TQLLKMGAD LLGSVQAKVQ
KALDVTRDSF PFDQQFNILM RFIVDQTQTP NLKVKVAILK YIESLARQMD PTDFVNSSET
RLAVSRIITW TTEPKSSDVR KAAQIVLISL FELNTPEFTM LLAGLPKTFQ DGATKLLHNH
LKNSNTSVG SPSNTIGRTP SRHTSSRTSP LTSPTNCSHG GLSPSRLWGW SADGLAKHPP
PFSQPNSIPT APSHKALRRS YSPSMLDYDT ENLNSEEIYS SLRGVTEAIE KFSFRSQEDL
NEPIKRDGKK ECDIVSRDGG AASPATEGRG GSEVEGGRTA LDNKTSLNNT QPPRAFPGPR
ARDYNPYPYS DAINTYDKTA LKEAVFDDDM EQLRDVPIDH SDLVADLLKE LSNHNERVEE
RKGALLELLK ITREDSLGVW EEHFKTILL LLETLGDKDH SIRALALRVL REILRNQPAR
FKNYAELTIM KTLAHDKSH KEVVRAAEEA ASTLASSIHP EQCIKVLCP IQTADYPINL
AAIKMQTKVV ERIAKESLLQ LLVDIIPGLL QGYDNTESSV RKASVFCLVA IYSVIGEDLK
PHLAQLTGSK MKLLNLYIKR AQTNSNSSS SSDVSTHS **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

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| Target: | CLASP1 |
| Alternative Name: | CLASP1 (CLASP1 Products) |
| Background: | <p>CLIP-associating protein 1 (Cytoplasmic linker-associated protein 1) (Multiple asters homolog 1) (Protein Orbit homolog 1) (hOrbit1),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. {ECO:0000269 PubMed:11290329, ECO:0000269 PubMed:12837247, ECO:0000269 PubMed:15631994, ECO:0000269 PubMed:16866869, ECO:0000269 PubMed:16914514, ECO:0000269 PubMed:17543864}.</p> |
| Molecular Weight: | 169.5 kDa |
| UniProt: | Q7Z460 |
| Pathways: | Microtubule Dynamics, M Phase, Maintenance of Protein Location |

Application Details

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| 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

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| 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. |

Handling

Expiry Date: 12 months