

Datasheet for ABIN7561188
EFHC1 Protein (AA 1-648) (His tag)



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Overview

Quantity:	1 mg
Target:	EFHC1
Protein Characteristics:	AA 1-648
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EFHC1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Efhc1 Protein expressed in mammalian cells.
Sequence:	<p>MGTPNVHGLP FLPSSFTDS TKTAFHRSQT LNYRNGYAVV RRPTMGIGGD RLHYNQLSQA</p> <p>ELDELANKAP ILTYGPLKQA PLAEFVPAHV AFDKKVLKFS AYFQEDVPIS MEEHYRIRHV</p> <p>NIYYLEDDES MSVIEPVVEN SGIPQGKLIK RQRFTKNDMG DHYHWKDLNR GINLTVYGKT</p> <p>FRIVDCDRFT QDFLESQGIE LNPSEKIPLD PYTQLRKEPV RKYVTPSDFD QLKQFLTFDK</p> <p>QVLRFYAIWD DTDSLFGECR HYIIHYLLMD DTVEIREVHE RNNGRDPFPL LMNRQRMPKV</p> <p>LVENAKNFPK CVLEISDQEV LEWYTAKDFI VGKPLTILGR TFFIYDCDPF TRQFYKDKFG</p> <p>MPDLPPVDVT KKEPPPVKQE LPPYNGYGLI EDSAQNCFAL IPKAPRKDVV KMLMNDNKVL</p> <p>RYLAALESPI PEDKDRRFVF SYFLATDMIS IFEPPVRNSG IIGGKFLGRT KVKVSFSPVD</p> <p>NPIYYSPSDF FIGAVIEVFG HRFVILDTDE YVLKYMESNA SQYSPEALAS IQNRIQKPEL</p> <p>PAPELESKQA TGPEMVQGT ESKVQDLDAL IDQIHMHLKY NSYKENLRET FQMYDKDESG</p> <p>YVDRETFKI CETLNPVDD SLIKELIRLC THGEGRINYY NFVRAFSN Sequence without tag. The</p>

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:

EFHC1

Alternative Name:

Efhc1 ([EFHC1 Products](#))

Background:

EF-hand domain-containing protein 1 (Myoclonin-1),FUNCTION: Microtubule-associated protein which regulates cell division and neuronal migration during cortical development. Necessary for mitotic spindle organization. Necessary for radial and tangential cell migration during brain development, possibly acting as a regulator of cell morphology and process formation during migration (By similarity). May enhance calcium influx through CACNA1E and stimulate programmed cell death. Overexpression of EFHC1 in hippocampal primary culture neurons induced apoptosis (PubMed:15258581). Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (By similarity). {ECO:0000250|UniProtKB:E1BKH1, ECO:0000250|UniProtKB:Q5JVL4, ECO:0000269|PubMed:15258581}.

Target Details

Molecular Weight: 75.1 kDa

UniProt: [Q9D9T8](#)

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