

Datasheet for ABIN7564590
FERMT2 Protein (AA 1-680) (His tag)



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Overview

Quantity:	1 mg
Target:	FERMT2
Protein Characteristics:	AA 1-680
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FERMT2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Fermt2 Protein expressed in mammalien cells.
Sequence:	MALDGIRMPD GCYADGTWEL SVHVTDLNRD VTLRVTGEVH IGGVMLKLVE KLDVKKDWSD HALWWEKKRT WLLKTHWTLD KCGIQADAKL QFTPQHKLLR LQLPNMKYVK VKVNFSDRVF KAVSDICKTF NIRHPEELSL LKKPRDPTKK KKKKLDDQSE DEALELEGPL IMPGSGSIYS SPGLYSKTMT PTYDAHDGSP LSPTSAWFGD SALSEGNPGI LAVSQPVTSP EILAKMFKPQ ALLDKAKTNQ GWLDSSRSLM EQDVKENEAL LLRFKYYSFF DLNPKYDAIR INQLYEQAKW ALLLEEIECT EEEMMMFAAL QYHINKLSIM TSENHLNNSD KEVDEVDAAL SDLEITLEGG KTSTILGDIT SIPELADYIK VFKPKKLTLLK GYKQYWCTFK DTSISCYKSR EESSGTPAHQ LNLRGCEVTP DVNISGQKFN IKLLIPVAEG MNEIWLRCND EKQYAHWMAA CRLASKGKTM ADSSYNLEVQ NILSFLKMQH LNPDPQLIPD QITTDVNPEC LVSPRYLKKY KSKQITARIL EAHQNVAQMS LIEAKMRFIQ AWQSLPEFGI THFIARFQGG KREELIGIAY NRLIRMDAST GDAIKTWRFS NMKQWNVNWE IKMVTVEFAD EVRLSFICTE VDCKVVHEFI GGYIFLSTRA

KDQNESLDEE MFYKLTSGWV **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:

FERMT2

Alternative Name:

Fermt2 ([FERMT2 Products](#))

Background:

Fermitin family homolog 2 (Kindlin-2) (Pleckstrin homology domain-containing family C member 1),FUNCTION: Scaffolding protein that enhances integrin activation mediated by TLN1 and/or TLN2, but activates integrins only weakly by itself. Binds to membranes enriched in phosphoinositides. Enhances integrin-mediated cell adhesion onto the extracellular matrix and cell spreading, this requires both its ability to interact with integrins and with phospholipid membranes. Required for the assembly of focal adhesions. Participates in the connection between extracellular matrix adhesion sites and the actin cytoskeleton and also in the orchestration of actin assembly and cell shape modulation. Recruits FBLIM1 to focal adhesions. Plays a role in the TGFB1 and integrin signaling pathways. Stabilizes active CTNNB1 and plays a role in the regulation of transcription mediated by CTNNB1 and TCF7L2/TCF4 and

Target Details

in Wnt signaling. {ECO:0000269|PubMed:18174465, ECO:0000269|PubMed:18483218, ECO:0000269|PubMed:21378273}.

Molecular Weight: 77.8 kDa

UniProt: [Q8CIB5](#)

Pathways: [Cell-Cell Junction Organization](#)

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