

Recombinant Full Length Human FERMT2 Protein, Flag tagged

Cat. No. FERMT2-15HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human fermitin family homolog 2 (Drosophila) (FERMT2), transcript variant 1 with Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-680 aa
Description	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 in Wnt signaling.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	77.7 kDa

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AASequence

MALDGIRMPDGCYADGTWELSVHVTDLNRDVTLRVTGEVHIGGVMLKLVEKLDVKK
 DWSDHALWWEKKRTWLLKTHWTLDKYGIQADAKLQFTPQHKLRLQLPNMKYVKV
 KVNFSDRVFKAVSDICKTFNIRHPEELSLLKKPRDPTKKKKKKLDDQSEDEALELEGP
 LITPGSGSIYSSPGLYSKTMTPYDAHDGSPLSPTSAWFGDSALSEGNPGILAVSQPI
 TSPEILAKMFKPQALLDKAKINQGWLDSSRSLMEQDVKENEALLRKFYYSFFDLNP
 KYDAIRINQLYEQAKWAILLEEIECTEEEMMMFAALQYHINKLSIMTSENHLNNSDKE
 VDEVDAALSDLEITLEGGKTSTILGDITSIPELADYIKVFKPKKLTCLKGYKQYWCTFKDT
 SISCYKSKEESSGTPAHQMNLRGCEVTPDVNISGQKFNIKLLIPVAEGMNEIWLRC
 NEKQYAHWMAACRLASKGKTMADSSYNLEVQNILSFLKMQLHNPDPQLIPEQITTDI
 TPECLVSPRYLKKYKNKQITARILEAHQNVAQMSLIEAKMRFIQAWQSLPEFGITHFIA
 RFQGGKKEELIGIAYNRLIRMDASTGDAIKTWRFNMKQWNVNWEIKMVTVEFADE
 VRLSFICTEVDCKVHEFIGGYIFLSTRAKDQNESLDEEMFYKLTSGWVTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Notes

For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage

Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration

> 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION
Gene Name

FERMT2 FERM domain containing kindlin 2 [Homo sapiens (human)]

Official Symbol

FERMT2

Synonyms

FERMT2; FERM domain containing kindlin 2; MIG2; KIND2; mig-2; UNC112;

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PLEKHC1; UNC112B; fermitin family homolog 2; PH domain-containing family C member 1; fermitin family member 2; kindlin 2; mitogen inducible gene 2 protein; mitogen inducible gene-2; pleckstrin homology domain containing, family C (with FERM domain) member 1; pleckstrin homology domain containing, family C member 1

Gene ID [10979](#)

mRNA Refseq [NM_006832](#)

Protein Refseq [NP_006823](#)

MIM [607746](#)

UniProt ID [Q96AC1](#)

SDS-PAGE and WB



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