

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	<p>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.</p>
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	77.7 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AASequence	<p>MALDGIRMPDGCYADGTWELSVHVTDLNRDVTLRVTGEVHIGGVMLKLVEKLDVKK DWSDHALWWEKKRTWLLKTHWTLDKYGIQADAKLQFTPQHKLLRLQLPNMKYVKV KVNFSDRVFKAVSDICKTFNIRHPEELSLKKPRDPTKKKKKKLDDQSEDEALELEGP LITPGSGSIYSSPGLYSKTMTPTYDAHDGSPLSPTSAWFGDSALSEGNGILAVSQPI TSPEILAKMFKPQALLDKAKINQGWLDSSRSLMEQDVKENEALLLRFKYYSFFDLNP KYDAIRINQLYEQAKWAILLEEIECTEEEMMMFAALQYHINKLSIMTSENHLNNSDKE VDEVDAALSDLEITLEGGKTSTILGDITSIPELADYIKVFKPKKLTGKYKQYWCTFKDT SISCYKSKEESSGTPAHQMNLRGCEVTPDVNISGQKFNILLIPVAEGMNEIWLRC NEKQYAHWMAACRLASKGKTMASSYNLEVQNILSFLKMQHLNPDQLIPEQITTDI TPECLVSPRYLKKYKNKQITARILEAHQNVAQMSLIEAKMRFIQAWQSLPEFGITHFIA RFQGGKKEELIGIAYNRLIRMDASTGDAIKTWRFSNMKQWNVNWEIKMVTVEFADE VRLSFICTEVDCKVVHEFIGGYIFLSTRAKDQNESLDEEMFYKLTSGWVTRTRPLEQ KLISEEDLAANDILDYKDDDDKV</p>
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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

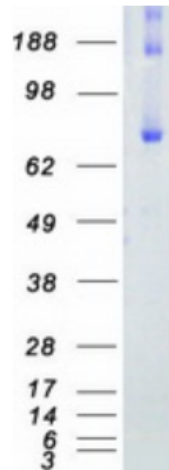
mRNA Refseq [NM_006832](#)

Protein Refseq [NP_006823](#)

MIM [607746](#)

UniProt ID [Q96AC1](#)

SDS-PAGE and WB



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA