

Recombinant Human FERMT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FERMT2-4554H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FERMT2 MS Standard C13 and N15-labeled recombinant protein (NP_006823) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	77.9 kDa
AA Sequence	MALDGIRMPDGCYADGTWELSVHVTDLNRDVTLRVTGEVHIGGVMLKLVEKLDVKK DWSDBALWWEKKRTWLLKTHWTLDKYGIQADAKLQFTPQHKLLRLQLPNMKYVKV

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KVNFSDRVFKAVSDICKTFNIRHPEELSLKKPRDPTKKKKKKLDDQSEDEALELEGP
 LITPGSGSIYSSPGLYSKTMTPYDAHDGSPLSPTSAWFGDSALSEGNGILAVSQPI
 TSPEILAKMFKPQALLDKAKINQGWLDSSRSLMEQDVKENEALLRKFYYSFFDLNP
 KYDAIRINQLYEQAKWAILLEEIECTEEEMMMFAALQYHINKLSIMTSENHLNNSDKE
 VDEVDAALSDLEITLEGGKTSTILGDITSIPELADYIKVFKPKKLTGKYKQYWCTFKDT
 SISCYKSKEESSGTPAHQMNLRGCEVTPDVNISGQKFNIKLLIPVAEGMNEIWLRC
 NEKQYAHWMAACRLASKGKTMADSSYNLEVQNILSFLKMQHLNPDQLIPEQITTDI
 TPECLVSPRYLKKYKNKQITARILEAHQNV AQMSLIEAKMRFIQAWQSLPEFGITHFIA
 RFQGGKKEELIGIAYNRLIRMDASTGDAIKTWRF SNMKQWNVNWEIKMVTVEFADE
 VRLSFICTEVDCKVVHEFIGGYIFLSTRAKDQNESLDEEMFYKLTSGWVTRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FERMT2 fermitin family member 2 [Homo sapiens (human)]

Official Symbol FERMT2

Synonyms FERMT2; fermitin family member 2; fermitin family homolog 2 (Drosophila), pleckstrin homology domain containing, family C (with FERM domain) member 1, PLEKHC1;

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fermitin family homolog 2; KIND2; kindlin 2; mig 2; UNC112B; kindlin-2; mitogen inducible gene 2 protein; mitogen-inducible gene 2 protein; PH domain-containing family C member 1; pleckstrin homology domain-containing family C member 1; pleckstrin homology domain containing, family C member 1; pleckstrin homology domain containing, family C (with FERM domain) member 1; MIG2; mig-2; UNC112; PLEKHC1; FLJ34213; FLJ44462; DKFZp686G11125;

Gene ID 10979

mRNA Refseq NM_006832

Protein Refseq NP_006823

MIM 607746

UniProt ID Q96AC1

SDS-PAGE

