

Recombinant Mouse Fermt2 Protein, Myc/DDK-tagged

Cat. No. Fermt2-2988M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length fermitin family member 2 (Fermt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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	77.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Fermt2 fermitin family member 2 [Mus musculus (house mouse)]
Official Symbol	Fermt2
Synonyms	FERMT2; fermitin family homolog 2 (Drosophila); fermitin family homolog 2; mitogen inducible 2; pleckstrin homology domain-containing family C member 1; pleckstrin homology domain containing, family C (with FERM domain) member 1; Mig2; Plekhc1; AA960555; Kindlin-2; MGC36305
Gene ID	218952
mRNA Refseq	NM_146054
Protein Refseq	NP_666166
UniProt ID	Q8CIB5