

## Recombinant Mouse Fermt2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length fermitin family member 2 (Fermt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	<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>
<b>Molecular Mass</b>	77.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	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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<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">Fermt2 fermitin family member 2 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Fermt2</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">218952</a>
<b>mRNA Refseq</b>	<a href="#">NM_146054</a>
<b>Protein Refseq</b>	<a href="#">NP_666166</a>
<b>UniProt ID</b>	<a href="#">Q8CIB5</a>

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