

Product datasheet for **TP509996**

Fermt2 (NM_146054) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse fermitin family member 2 (Fermt2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR209996 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MALDGIRMPDGCYADGTWELSVHVTDLNRDVTLRVTGEVHIGGVMLKLVEKLDVKKDWSHDALWWEKKRT
WLLKTHWTLDKCGIQADAKLQFTPQHKLLRLQLPNMKYVKVKNFSDRVFAVSDICKTFNIRHPEELSL
LKKPRDPTKKKKKKLDDQSEDALELEGPLIMPGSGSIYSSPGLYSKTMPTYDAHDGSPLSPTSASFWD
SALSEGPNPILAVSQPVTSPEILAKMFKPQALLDKAKTNQGWLDSSRSLMEQDVKENEALLRFKYYSFF
DLNPKYDAIRINQLYEQAKWALLLEEIECTEEEMMMFAALQYHINKLSIMTSENHLNNSDKEVDEVDAAAL
SDLEITLEGGKTSTILGDITSPELADYIKVFKPKKLTGKYQYWCTFKDTSISCYKSREESSGTPAHQ
LNLRGCEVTPDVNISGQKFNIKLLIPVAEGMNEIWLRCNEKQYAHWMAACRLASKGKTMADSSYNLEVQ
NLSFLKMQHLNPDPQLIPDQITTDVNPECLVSPRYLKKYKSKQITARILEAHQNVAQMSLIEAKMRFIQ
AWQSLPEFGITHFIARFQGGKREELIGIAYNRLRMDASTGDAIKTWRFNSNMKQWNVNWEIKMVTVEFAD
EVRLSFICTEVDCKVVHEFIGGYIFLSTRAKDQNESLDEEMFYKLTSGWV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	77.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	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°C after receiving vials.
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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RefSeq:	<u>NP_666166</u>
Locus ID:	218952
UniProt ID:	<u>Q8CIB5</u> , <u>Q3TLE2</u>
RefSeq Size:	3243
Cytogenetics:	14 C1
RefSeq ORF:	2043
Synonyms:	AA960555; Kindlin-2; Mig2; Plekhc1
Summary:	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.[UniProtKB/Swiss-Prot Function]