

## Product datasheet for TP305727L

### Kindlin 2 (FERMT2) (NM\_006832) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fermitin family homolog 2 (Drosophila) (FERMT2), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC205727 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MALDGIRMPDGCYADGTWELSVHVTDLNRDVTLRVTGEVHIGGVMLKLVEKLDVKKDWSHDHALWWEKKRT  
WLLKTHWTLDKYGIQADAKLQFTPQHKLRLQLPNMKYVVKVNFSDRVFKAVSDICKTFNIRHPEELSL  
LKKPRDPTKKKKKLLDDQSEDALELEGPLITPGSGSIYSSPGLYSKMTPTYDAHDGSPSPTSASFWD  
SALSEGPNPILAVSQPITSPEILAKMFKPQALLDKAKINQGWLDSSRSLMEQDVKENEALLRFKYYSFF  
DLNPKYDAIRINQLYEQAKWAILLEEIECTEEEMMMFAALQYHINKLSIMTSENHLNNSDKEVDEVDAAL  
SDLEITLEGGKTSTILGDITSIPELADYIKVFKPKKLLTKGYKYWCTFKDTSISCYKSKEESSGTPAHQ  
MNLRGCEVTPDVNISGQKFNIKLLIPVAEGMNEIWLRCNEKQYAHWMAACRLASKGKTMADSSYNLEVO  
NILSFLKMQHNLNPDQLIPEQITTDITPECLVSPRYLKKYKKNQITARILEAHQNVAQMSLIEAKMRFIQ  
AWQSLPEFGITHFIARFQGGKKEELIGIAYNRLRMDASTGDAIKTWRFSNMKQWNVNWEIKMVTVEFAD  
EVRLSFICTEVDCKVHFEFIGGYIFLSTRAKDQNESLDEEMFYKLTSGWV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

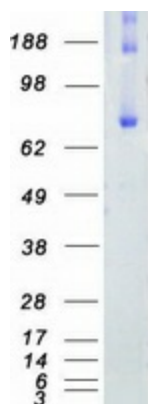
Tag:	C-Myc/DDK
Predicted MW:	77.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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<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.
<b>RefSeq:</b>	<u>NP_006823</u>
<b>Locus ID:</b>	10979
<b>UniProt ID:</b>	<u>Q96AC1, A0A024R687</u>
<b>RefSeq Size:</b>	3351
<b>Cytogenetics:</b>	14q22.1
<b>RefSeq ORF:</b>	2040
<b>Synonyms:</b>	KIND2; mig-2; MIG2; PLEKHC1; UNC112; UNC112B
<b>Summary:</b>	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]

### Product images:



Coomassie blue staining of purified FERMT2 protein (Cat# [TP305727]). The protein was produced from HEK293T cells transfected with FERMT2 cDNA clone (Cat# [RC205727]) using MegaTran 2.0 (Cat# [TT210002]).