

Product datasheet for **SC200272**

Kindlin 2 (FERMT2) (NM_001135000) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Kindlin 2 (FERMT2) (NM_001135000) Human 3' UTR Clone
Symbol:	Kindlin 2
Synonyms:	KIND2; mig-2; MIG2; PLEKHC1; UNC112; UNC112B
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001135000
Insert Size:	285 bp
Insert Sequence:	>SC200272 3'UTR clone of NM_001135000 The sequence shown below is from the reference sequence of NM_001135000. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC AACTGGGAAATCAAAATGGTAACTCA TAA CAATGTTACTTGAATATAGTCCTTCTCTGATACAAATTA GTACATTAAGAATAAAAAGGCCTATAAATTCTGATGATTATTTGTACCACCCTCTTAAAGTACAGAC AGACCATGGTTGACTATTCATTTCTCACTTAAATTTGCCTATTTTCATAATTAGCCAGTTACTAAAATT CTAAGTGCATAATTTGCTTAGAATGTTGCCTTTTTGTCTTTCTGTAATGGATAAAGCCGATCTACTCT GAAATAGCA ACGCGT AAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001135000.2</u>



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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]

Locus ID:

10979

MW:

11.1