

## Product datasheet for **SC108299**

### URP2 (FERMT3) (NM\_031471) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	URP2 (FERMT3) (NM_031471) Human Untagged Clone
Tag:	Tag Free
Symbol:	FERMT3
Synonyms:	KIND3; MIG-2; MIG2B; UNC112C; URP2; URP2SF
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_031471, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGGGATGAAGACAGCCTCCGGGGACTACATCGACTCGTCATGGGAGCTGCGGGTGTTTGTGGGAG
AGGAGGACCCAGAGGCCGAGTCGGTCACCCTGCGGGTCACTGGGAGTCGCACATCGCGGGGTGCTCCT
GAAGATTGTGGAGCAGATCAATCGCAAGCAGGACTGGTCAGACCATGCTATTTGGTGGAAACAGAAGAGG
CAGTGGCTGCTGCAGACCCACTGGACACTGGACAAGTACGGGATCCTGGCCGACGCACGCCCTCTTTG
GGCCCCAGCACCCGCCCGTCATCCTTCGGTTGCCCAACCGCCGCACTGCGCCTCCGTGCCAGTTCTC
CCAGCCCCCTTCCAGGCTGTGGCTGCCATCTGCCGCTCCTCAGCATCCGGCACCCGAGGAGCTGTCC
CTGCTCCGGGCTCCTGAGAAGAAGGAGAAGAAGAAGAAGAGAAGGAGCCAGAGGAAGAGCTCTATGACT
TGAGCAAGGTTGTCTTGGCTGGGGCGTGGCACCTGCACTGTTCCGGGGGATGCCAGTCACTTCTCGGA
CAGCGCCAGACTGAGGCCTGCTACCACATGCTGAGCCGGCCCCAGCCGCCACCCGACCCCTCCTGCTC
CAGCGTCTGCCACGGCCAGTCCCTGTCAGACAAGACCAGCTCCACAGCAGGTGGCTGGACTCGTCGC
GGTGTCTCATGCAGCAGGCATCAAGGCCGGGGACGCACTCTGGCTGCGCTTCAAGTACTACAGTCTCT
CGATTTGGATCCCAAGACAGACCCCGTGGCGCTGACACAGCTGTATGAGCAGGCCCGGTGGGACCTGCTG
CTGGAGGAGATTGACTGCACCGAGGAGGAGATGATGGTGTTCGCCGCCCTGCAGTACCACATCAACAAGC
TGTCCCAGAGCGGGGAGGTGGGGGAGCCGGCTGGCACAGACCCAGGGCTGGACGACCTGGATGTGGCCCT
GAGCAACCTGGAGGTGAAGCTGGAGGGGTGGCGCCACAGATGTGCTGGACAGCCTCACCACCATCCCA
GAGCTCAAGGACCATCTCCGAATCTTCGGCCCCGGAAGCTGACCCTGAAGGGCTACCGCCAACACTGGG
TGGTGTCAAGGAGACCACACTGTCCTACTACAAGAGCCAGGACGAGGCCCTGGGGACCCATTACGCA
GCTCAACCTCAAGGGCTGTGAGGTGGTTCGATGTTAACGTCTCCGGCCAGAAGTCTGCATTAACCTC
CTAGTGCCTCCCCTGAGGGCATGAGTGAGATCTACCTGCGGTGCCAGGATGAGCAGCAGTATGCCCGCT
GGATGGCTGGCTGCCGCTGGCCTCCAAAGGCCGACCATGGCCGACAGCAGCTACACCAGCGAGGTGCA
GGCCATCCTGGCCTTCTCAGCCTGCAGCGCACGGGCAAGTGGGGGCCGGGCAACCACCCACGGCCCT
GATGCCTCTGCCAGGGCCTCAACCCCTACGGCCTCGTTGCCCCCGTTTCCAGCGAAAAGTTCAAGGCCA
AGCAGCTACCCACGGATCCTGGAAGCCACCAGAATGTGGCCAGTTGTGCTGGCAGAGGCCAGCT
GCGCTTCAACAGGCTGGCAGTCCCTGCCGACTTCGGCATCTCCTATGTCATGGTCAGGTTCAAGGGC
AGCAGGAAAGACGAGATCCTGGGCATCGCCAACAACCGACTGATCCGCATCGACTGGCCGTGGGCGACG
TGGTCAAGACCTGGCGTTTCAGCAACATGCGCCAGTGAATGTCAACTGGGACATCCGGCAGGTGGCCAT
CGAGTTTGATGAACACATCAATGTGCCCTTCAGCTGCGTGTCTGCCAGCTGCCGAATTGTACACGAGTAT
ATCGGGGGCTACATTTTCTGTCGACGCGGGAGCGGGCCCGTGGGGAGGAGCTGGATGAAGACCTTCC
TGCAGCTACCCGGGGCCATGAGGCCTTCTGA
```

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_031471 unedited</p> <pre>TCACTATAGGGCGGCCGCAATTCGCCGAGGCCCGGCCACAGGGGTGTAGCCCGAGACC CACCTGCAGCCCCAGCCCTTGCCAGGAAAGCAGCAGCCGAGCCATGGCGGGATGAAG ACAGCCTCCGGGACTACATCGACTCGTCATGGGAGCTGCGGGTGTGGGGAGAGGAG GACCCAGAGGCCGAGTCGGTCACCCTGCGGGTCACTGGGAGTCGCACATCGGCGGGTG CTCCTGAAGATTGTGGAGCAGATCAATCGCAAGCAGGACTGGTCAGACCATGCTATTTGG TGGGAACAGAAGAGGCAGTGGCTGCTGCAGACCCACTGGACACTGGACAAGTACGGGATC CTGGCCGACGCACGCCTCTTCTTTGGGCCAGCACCGGCCCGTATCCTTCGGTTGCC AACCGCCGCGCACTGCGCCTCCGTGCCAGCTTCTCCAGCCCTCTCCAGGCTGTGGCT GCCATCTGCCGCCTCCTCAGCATCCGGCACCCGAGGAGCTGTCCCTGCTCCGGCTCCT GAGAAGAAGGAGAAGAAGAAGAAAGAGAAGGAGCCAGAGGAAGAGCTCTATGACTTGAGC AAGTTGTCTTGGCTGGNGCGTGGCACCTGCACTGTTCCGNGGATGCCAGTCACTTC TCGGACAGCGCCAGACTGAGGCCTGCTACCACATGCTGAGCCGGCCAGCCGNCACCC GACCCCTTCTGCTNCAGCGTCTGCCACGNCCAGCTCCTTGTGACAGACAGACCAGTCA CAGCAGGNTGCTGGCTCCGTNCGCGGTGTCTCATGCACAGNCATCAGGCCCGGGACGCA CTCTGCTGCGCTTACAGACTACAGTTTTNNATATTGATCCAGACGACCCGTGCGCTGAAC ACTTTTTAGCAGCGCCCGTGACTGTGGTGTGAAGGAATGCGACAGAGAGAAAATATATA TATGTGTTGCCCCCTGATACATAACTCGAANNNGNGGGGGGGGGGGGGGGGGCCGCT GC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_031471 unedited</p> <pre>ATCTCTGNNACCGCGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTAATTTATA AAAAGAAATTTTAAAAGTAACAAGAAAAGAACTCGTTTTNGAAACCATGTTNTCATCAT CCTGTAGCTACATCTGGNTCTTCTTGTGTGCTGGGGACTGCAGATAGGTCAGGGGTAT CAGCCTCAGCCACTCAGACAAGGAAAGGGGGCACCACATGAGCTCAGGGACCCCCACCC CATCCCTGGCCTGGGTGATGGTACAGCGTCTGGCCCTGCCAGGTCCTTGGCCTGCACAA GTCAGTGACAGCAGGTGAAATGCCACGCTGGGTGCCTGCCTGGAGCGGGTGTGGGGCAGT GAGCCCTGTGGGTGTGGCTTGGGAGTGGCTGTGACAGGGTGGTGAAGAGGGCAGGGGC AATCAGACAGCCCTCAGAAGCCCTCATGGCCCCGGTGAAGTGCAGGAAGAGGTCCTTCA CCAGCTCCTCCCCACGGGCCGCTCCCGGTNGACAGGAAAATGTAGCCCCGATATACT CGTGTAACAATTCGGCAGCTGGCAGACACGACGCTGAAGGCCACATTGATGTGTTATCAA ACTCGATGGCCACCTGCCGATGTCCCAGTTGACATCCCACTGCCGCATGTTGCTGAAAC GCCAGGCTTGTACCACGTCGCCCACGGCCAGTCGATGCCGATCAGTCGTTGTTGGCGA TGCCCCAGATCTCGTCTTCTGCTTGCCTTGAACCTGACCATGACATAAGAGATGCCCCG AAGTCCGCCAGGCACTGCCACGCCCTGGAATGAACCCACTTGGGCTCTGCCAACGAAC ACTGGGCCCATCTTGGTGGGCTTCCAGAATCCGGGGGGGAACCTGGTTGCCCTTGAA CTTCCCTGGAACGGGGGGCAACCNAGCCCTAAGGGTTGGAAGCCCTCGCAAAGCATT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_031471
<b>Insert Size:</b>	2560 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_031471.4](#), [NP\\_113659.3](#)

**RefSeq Size:** 2506 bp

**RefSeq ORF:** 1992 bp

**Locus ID:** 83706

**UniProt ID:** [Q86UX7](#)

**Cytogenetics:** 11q13.1

**Domains:** B41, PH

**Gene Summary:** Kindlins are a small family of proteins that mediate protein-protein interactions involved in integrin activation and thereby have a role in cell adhesion, migration, differentiation, and proliferation. The protein encoded by this gene has a key role in the regulation of hemostasis and thrombosis. This protein may also help maintain the membrane skeleton of erythrocytes. Mutations in this gene cause the autosomal recessive leukocyte adhesion deficiency syndrome-III (LAD-III). Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jan 2010]

Transcript Variant: This variant (URP2SF) uses an alternate in-frame splice junction at the 5' end of a coding exon compared to variant URP2LF. The resulting isoform (short isoform) has the same N- and C-termini but is shorter compared to the long isoform.