

Product datasheet for **SC320720**

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:	URP2
Synonyms:	KIND3; MIG-2; MIG2B; UNC112C; URP2; URP2SF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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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
GGCCCCAGCACCCGGCCGTCATCCTTCGGTTGCCAACC GCCGCACTGCGCCTCCGTGCCAGTTCTC
CCAGCCCCCTTTCCAGGCTGTGGCTGCCATCTGCCGCTCCTCAGCATCCGGCACCCGAGGAGCTGTCC
CTGCTCCGGGCTCCTGAGAAGAAGGAGAAGAAGAAGAAGAGAAGGAGCCAGAGGAAGAGCTCTATGACT
TGAGCAAGGTTGTCTGGCTGGGGCGTGGCACCTGCACTGTTCCGGGGGATGCCAGTCACTTCTCGGA
CAGCGCCAGACTGAGGCCTGCTACCACATGCTGAGCCGCCCCAGCCGCCACCCGACCCCTCCTGCTC
CAGCGTCTGCCACGGCCAGTCCCTGTCAGACAAGACCAGCTCCACAGCAGGTGGCTGGACTCGTCGC
GGTGTCTCATGCAGCAGGCATCAAGGCCGGGGACGCACTCTGGTGGCCTTCAAGTACTACAGTCTCTT
CGATTTGGATCCCAAGACAGACCCCGTGGCGCTGACACAGCTGTATGAGCAGGCCGGTGGGACCTGCTG
CTGGAGGAGATTGACTGCACCGAGGAGGAGATGATGGTGTTCGCCGCCCTGCAGTACCACATCAACAAGC
TGTCCCAGAGCGGGGAGGTGGGGAGCCGGCTGGCACAGACCCAGGGCTGGACGACCTGGATGTGGCCCT
GAGCAACCTGGAGGTGAAGCTGGAGGGGTGGCGCCACAGATGTGCTGGACAGCCTCACCACCATCCCA
GAGCTCAAGGACCATCTCCGAATCTTCGGCCCGGAAGCTGACCCTGAAGGGCTACCGCAACTGAGG
TGGTGTCAAGGAGACCACACTGCCTACTACAAGAGCCAGGACGAGGCCCTGGGGACCCATTACGCA
GCTCAACCTCAAGGGCTGTGAGGTGGTCCCGATGTTAACGTCTCCGGCCAGAAGTCTGCATTAACCTC
TAGTGCCTCCCTGAGGGCATGAGTGAGATCTACCTGCGGTGCCAGGATGAGCAGCAGTATGCCCGCT
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GGCCATCTGGCCTTCCTCAGCCTGCAGCGCACGGGAGTGGGGGCCGGGCAACCACCCACGGCCCT
GATGCCTCTGCCAGGGCCTCAACCCCTACGGCCTCGTTGCCCCCGTTTCCAGCGAAAGTTCAAGGCCA
AGCAGCTACCCACGGATCCTGGAAGCCACCAGAATGTGGCCAGTTGTGCTGGCAGAGGCCAGCT
GCGCTTCCAGGCCTGGCAGTCCCTGCCGACTTCGGCATCTCCTATGTCATGGTCAAGGGC
AGCAGGAAAGACGAGATCCTGGGCATCGCAACAACCGACTGATCCGCATCGACTGGCCGTGGGCGACG
TGGTCAAGACCTGGCGTTTCAGCAACATGCGCCAGTGAATGTCAACTGGGACATCCGGCAGGTGGCCAT
CGAGTTTGTGTAACACATCAATGTGGCCTTCAGCTGCGTGTCTGCCAGCTGCCGAATTGTACACGAGTAT
ATCGGGGGCTACATTTTCTGTCGACGGGAGCGGGCCCGTGGGGAGGAGCTGGATGAAGACCTCTTC
TGCAGCTACCCGGGGCCATGAGGCCTTCTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_031471
- OTI Disclaimer:** 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** 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.