

Product datasheet for **RG216968**

URP2 (FERMT3) (NM_178443) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	URP2
Synonyms:	KIND3; MIG-2; MIG2B; UNC112C; URP2; URP2SF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216968 representing NM_178443
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGGGGATGAAGACAGCCTCCGGGACTACATCGACTCGTCATGGGAGCTGCGGGTGTGTGGGAG
 AGGAGGACCCAGAGGCCGAGTCGGTCACCTGCGGGTCACTGGGAGTCGCACATCGCGGGGTGCTCCT
 GAAGATTGTGGAGCAGATCAATCGCAAGCAGGACTGGTCAGACCATGCTATTTGGTGGGAACAGAAGAGG
 CAGTGGCTGCTGCAGACCCACTGGACACTGGACAAGTACGGGATCCTGGCCGACGCACGCCCTCTTCTTTG
 GGCCCCAGCACCGGCCCGTCATCCTTCGGTTGCCAACCCGCGCACTGCGCCTCCGTGCCAGCTTCTC
 CCAGCCCCCTTCCAGGCTGTGGCTGCCATCTGCCGCTCCTCAGCATCCGGCACCCCGAGGAGCTGTCC
 CTGCTCCGGGCTCCTGAGAAGAAGGAGAAGAAGAAGAAGAGAAGGAGCCAGAGGAAGAGCTCTATGACT
 TGAGCAAGGTTGTCTTGGCTGGGGGCTGGCACCTGCACTGTTCCGGGGATGCCAGCTCACTTCTCGGA
 CAGCGCCAGACTGAGGCTGCTACCACATGCTGAGCCGGCCCCAGCCGCCACCCGACCCCTCTGCTC
 CAGCGTCTGCCACGGCCAGCTCCCTGTACAGACAAGACCCAGCTCCACAGCAGGTGGCTGGAAGCTCGTCGC
 GGTGTCTATGCAGCAGGCATCAAGGCCGGGACGCACTCTGGCTGCGCTTCAAGTACTACAGCTTCTT
 CGATTTGGATCCCAAGACAGACCCCGTGGGCTGACACAGCTGTATGAGCAGGCCCGGTGGGACCTGCTG
 CTGGAGGAGATTGACTGCACCGAGGAGGAGATGATGGTGTTCGCCCTGCAGTACCACATCAACAAGC
 GTGCCAGAGCGGGAGGTGGGGGAGCCGCTGGCACAGACCCAGGCTGGACGACCTGGATGTGGCCCT
 GAGCAACCTGGAGGTGAAGCTGGAGGGTGGCGCCACAGATGTGCTGGACAGCCTCACCACATCCCA
 GAGCTCAAGGACCATCTCCGAATCTTCGATCCACGAAGGCCCGGAAGCTGACCTGAAGGGCTACC
 GCCAAGCTGGGTGGTGTCAAGGAGACCACTGTCTACTACAAGAGCCAGGACGAGGCCCTGGGGA
 CCCCATTACAGAGCTCAACCTCAAGGGCTGTGAGGTGGTTCGATGTTAACGTCTCCGGCCAGAAGTTC
 TGCATTAAGTCTAGTCCCTCCCTGAGGGCATGAGTGAGATCTACCTGCGGTGCCAGGATGAGCAGC
 AGTATGCCCGCTGGATGGCTGGCTGCCCTGGCTCCAAAGGCCGACCATGGCCGACAGCAGCTACAC
 CAGCGAGGTGCAGGCCATCCTGGCTTCTCAGCCTGCAGCGCACGGGAGTGGGGGCCGGGAACAC
 CCCCACGGCCCTGATGCCTCTGCCGAGGGCTCAACCCCTACGGCTTGTGGCCCCGTTTCCAGCGAA
 AGTTCAAGGCCAAGCAGCTCACCCACGGATCCTGGAAGCCACCAGAATGTGGCCAGTTGTGCTGGC
 AGAGGCCAGCTGCGCTTCAATCCAGCCTGGCAGTCCCTGCCGACTTCGGCATCTCTATGTGATGGTC
 AGGTTCAAGGGCAGCAGGAAAGACGAGATCCTGGGCATCGCCAACAACCGACTGATCCGCATCGACTGG
 CCGTGGGCGACGTGGTCAAGACCTGGCGTTTCAGCAACATGCGCCAGTGAATGTCAACTGGGACATCCG
 GCAGGTGGCCATCGAGTTTGATGAACATCAATGTGGCCTTCAGCTGCGTGTCTGCCAGCTGCCGAATT
 GTACACGAGTATATCGGGGCTACATTTTCTGTGCAGCGGGGAGCGGGCCGTGGGGAGGAGCTGGATG
 AAGACCTCTTCTGCAGCTACCGGGGCCATGAGGCCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216968 representing NM_178443
 Red=Cloning site Green=Tags(s)

MAGMKTASGDYIDSSWELRVFVGEEDPEAESVTLRVTGESHIGGVLLKIVEQINRKQDWSHDHAIWWEQKR
 QWLLQTHWTLDKYGILADARLFFGPQHRPVILRLPNRRALRLRASFSQPLFQAVAAICRLLSIRHPEELS
 LLRAPEKKEKKKEKEPEEELYDLKVVLAGGVAPALFRGMPAHFSDSAQTEACYHMLSRPQPPDPLLL
 QRLPRPSSLSDKTQLHSRWLDSSRCLMQQGIKAGDALWLRFKYYSFFDLDPKTDVRLTQLYEQARWDL
 LEEIDCTEEEMMFVFAALQYHINKLSQSGEVGEPAGTDPGLDLDVALSNLEVKLEGSAPTDLVLSLTIP
 ELKDHLRIFRIPRPRKLTGKYRQHWVFKETLSYYSQDEAPGDIQQLNLKGCEVVPDNNVSGQKF
 CIKLLVPSPEGMSEIYLRQDEQQYARWMAGRLASKGRMTADSSYTSEVQAILAFLSLQRTGSGGPGNH
 PHGPDASAEGLNPYGLVAPRFQRKFQKQLTPRILEAHQNVQVQLSLAEALRFQAWQSLPDFGISYVMV
 RFKGSRKDEILGIANNRLIRIDLAVGDVVKTRFSNMQRQWNVNWDIRQVIAIEFDEHINVAFCVSVASCR
 VHEYIGGYIFLSTRERARGEELDEDLFLQLTGGHEAF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178443

ORF Size: 2001 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_178443.1](#), [NP_848537.1](#)

RefSeq Size: 2489 bp

RefSeq ORF: 2004 bp

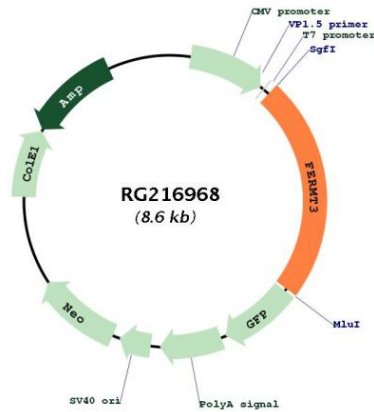
Locus ID: 83706

UniProt ID: [Q86UX7](#)

Cytogenetics: 11q13.1

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]

Product images:



Circular map for RG216968