

Product datasheet for **RG202580**

URP2 (FERMT3) (NM_031471) 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: >RG202580 representing NM_031471
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCGGGGATGAAGACAGCCTCCGGGACTACATCGACTCGTCATGGGAGCTGCGGGTGTGTTGTGGAG
 AGGAGGACCCAGAGGCCGAGTCGGTCACCTGCGGGTCACTGGGAGTCGCACATCGGCGGGGTGCTCCT
 GAAGATTGTGGAGCAGATCAATCGCAAGCAGGACTGGTCAGACCATGCTATTTGGTGGGAACAGAAGAGG
 CAGTGGCTGCTGCAGACCCACTGGACACTGGACAAGTACGGGATCCTGGCCGACGCACGCCCTCTTCTTTG
 GGCCCCAGCACCGGCCCGTCATCCTTCGGTTGCCAACCCGCGCACTGCGCCTCCGTGCCAGCTTCTC
 CCAGCCCCCTTCCAGGCTGTGGCTGCCATCTGCCGCTCCTCAGCATCCGGCACCCCGAGGAGCTGTCC
 CTGCTCCGGGCTCCTGAGAAGAAGGAGAAGAAGAAGAAGAAGGAGCCAGAGGAAGAGCTCTATGACT
 TGAGCAAGGTTGTCTTGGCTGGGGGCTGGCACCTGCACTGTTCCGGGGATGCCAGCTCACTTCTCGGA
 CAGCGCCAGACTGAGGCTGCTACCACATGCTGAGCCGGCCCCAGCCGCCACCCGACCCCTCTGCTC
 CAGCGTCTGCCACGGCCAGCTCCCTGTACAGACAAGCCAGCTCCACAGCAGGTGGCTGGAAGTCTGCGC
 GGTGTCTATGCAGCAGGCATCAAGGCTGGGGACGCACTCTGGCTGCGCTTCAAGTACTACAGCTTCTT
 CGATTTGGATCCCAAGACAGACCCCGTGGGCTGACACAGCTGTATGAGCAGGCCCGGTGGGACCTGCTG
 CTGGAGGAGATTGACTGCACGAGGAGGAGATGATGGTGTTCGCCCTGCAGTACCACATCAACAAGC
 GTGCCAGAGCGGGAGGTGGGGGAGCCGCTGGCACAGACCCAGGCTGGACGACCTGGATGTGGCCCT
 GAGCAACCTGGAGGTGAAGCTGGAGGGTGGCGCCACAGATGTGCTGGACAGCTCACCACCATCCCA
 GAGCTCAAGGACCATCTCCGAATCTTCGGCCCGGAAGCTGACCTGAAGGGTACCGCCAACACTGGG
 TGGTGTCAAGGAGACCACTGTCTACTACAAGAGCCAGGAGGCCCCCTGGGACCCATTACGCA
 GCTCAACCTCAAGGCTGTGAGGTGGTCCCGATGTTAACGTCTCCGGCCAGAAGTTCTGCATTAAGTCT
 CTAGTCCCTCCCTGAGGGCATGAGTGAGATCTACCTGCGGTGCCAGGATGAGCAGCAGTATGCCCGCT
 GGATGGCTGGCTGCCGCTGGCTCCAAAGGCCGACCATGGCCGACAGCAGTACACCAGCGAGGTGCA
 GGCCATCTGGCCTTCTCAGCCTGCAGCGCACGGCAGTGGGGGCCCGGGCAACCACCCACGCGCCCT
 GATGCCTCTGCCGAGGGCTCAACCCCTACGGCTCGTTGCCCCCGTTTCCAGCGAAAGTTCAAGGCCA
 AGCAGCTACCCACGGATCCTGGAAGCCACCAAGATGTGGCCAGTTGTGCTGGCAGAGGCCAGCT
 GCGCTTCATCCAGGCTGGCAGTCCCTGCCGACTTCGGCATCTCCTATGTCATGGTCAGGTTCAAGGGC
 AGCAGGAAAGACGAGATCCTGGGATCGCCAACAACCGACTGATCCGCATCGACTTGGCCGTGGGCGACG
 TGGTCAAGACTGGCGTTTACGCAACATGCCCAAGTGAATGTCAACTGGGACATCCGGCAGGTGGCCAT
 CGAGTTTGATGAACACATCAATGTGGCCTTCAGCTGCGTGTCTGCCAGCTGCCGAATTGTACACGAGTAT
 ATCGGGGGCTACATTTTCTGTGACGCGGGAGCGGGCCCTGGGGAGGAGCTGGATGAAGACCTCTTCC
 TGCAGCTACCGGGGGCCATGAGGCCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202580 representing NM_031471
 Red=Cloning site Green=Tags(s)

MAGMKTASGDYIDSSWELRVFVGEEDPEAESVTLRVTGESHIGGVLLKIVEQINRKQDWSDHAIWWEQKR
 QWLLQTHWTLDKYGLADARLFFGPQHRPVILRLPNRRALRLRASFSQPLFQAVAAICRLLSIRHPEELS
 LLRAPEKKEKKKEKEPEEELYDLKVVLAGGVAPALFRGMPAHFSDSAQTEACYHMLSRPQPPDPLLL
 QRLPRPSSLSDKTQLHSRWLDSSRCLMQQGIKAGDALWLRFKYYSFFDLDPKTDVRLTQLYEQARWDL
 LEEIDCTEEEMMFVFAALQYHINKLSQSGEVGEPAGTDPGLDLDVALSNLEVKLEGSAPTDLVLSLTIP
 ELKDHLIRFRPRKLTLYGRQHWVFKETLSYKYSQDEAPGDIQQLNLKGCEVVPDNNVSGQKFCIKL
 LVPSPGEMSEIYLRQDEQQYARWMAGCRLASKGRTMADSSYTSEVQAILAFLSLQRTSGSGPGNHPHGP
 DASAEGLNYPYGLVAPRFQRKFQKQKLTTPRILEAHQNVQQLSLAEALRFIQAWQSLPDFGISYVMVRFKG
 SRKDEILGIANNRLIRIDLAVGDVVKTRFSNMRQWNVNWDIRQVAIEFDEHINVAFCVSVASCRIVHEY
 IGGYIFLSTRERARGEELDELFLQLTGGHEAF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031471

ORF Size: 1989 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_031471.4](#), [NP_113659.3](#)

RefSeq Size: 2506 bp

RefSeq ORF: 1992 bp

Locus ID: 83706

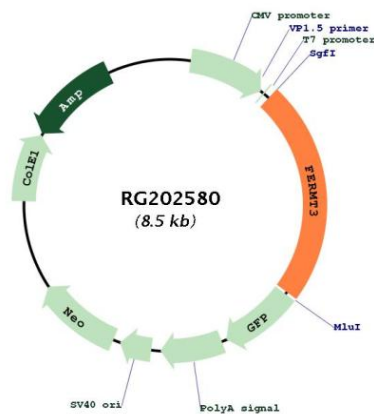
UniProt ID: [Q86UX7](#)

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]

Product images:



Circular map for RG202580