

Product datasheet for **RN205044**

Kdelr2 (NM_001013122) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kdelr2 (NM_001013122) Rat Untagged Clone
Tag: Tag Free
Symbol: Kdelr2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205044 representing NM_001013122
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACATCTCCGGCTGACTGGGGACCTGTCCCACCTGGCGGCCATCGTCATCCTACTGCTGAAGATCT
 GGAAGACGCGCTCCTGTGCTGGTATTTCTGGAAAAGCCAGCTCCTGTTGCACTGGTCTTCACAACCTCG
 TTACCTGGATCTTTTACTTCATTCATTTTCGTTATATAATACATCTATGAAGCTTATCTACATTCGCTGC
 TCCTACGCCACGGTGTACCTGATCTACATGAAGTTAAGGCCACCTATGATGGAAATCACGACACCTTCC
 GAGTGGAGTTTCTGTGGTTCCTGTAGGAGGCCTCTCATTCTAGTCAACCATGACTTCTCTCCTCTTGA
 GATCTTGTGGACCTTCTCCATCTACCTGGAGTCCGTGGCCATCCTCCCACAGCTTTCATGATCAGCAAG
 ACCGGCGAGGCCGAGACCATCACCACTACTCTTCTTCTGGTCTCTACCGTCTCTACCTAG
 TCAACTGGATCTGGCGCTTCTACTTCGAGGGTTTCTTTGATCTCATTGCCGTGGTGGTGGTGTCTGCA
 GACCATCTCTACTGCGACTTCTTCTACTTGTACATCACAAAAGTACTCAAGGAAAGAAGCTCAGCCTG
 CCAGCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001013122
Insert Size: 639 bp

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).



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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:	<ol style="list-style-type: none">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:	<u>NM_001013122.1</u> , <u>NP_001013140.1</u>
RefSeq Size:	1809 bp
RefSeq ORF:	639 bp
Locus ID:	304290
UniProt ID:	<u>Q5U305</u>
Cytogenetics:	12p11
Gene Summary:	Receptor for the C-terminal sequence motif K-D-E-L that is present on endoplasmic reticulum resident proteins and that mediates their recycling from the Golgi back to the endoplasmic reticulum (By similarity). Binding is pH dependent, and is optimal at pH 5-5.4 (By similarity). [UniProtKB/Swiss-Prot Function]