

Product datasheet for **RR205044**

Kdelr2 (NM_001013122) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kdelr2 (NM_001013122) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kdelr2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205044 representing NM_001013122
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACATCTCCGGCTGACTGGGGACCTGTCCCACCTGGCGGCCATCGTCATCCTACTGCTGAAGATCT
GGAAGACGCGCTCCTGTGCTGGTATTTCTGGGAAAAGCCAGCTCCTGTTGCACTGGTCTTCACAACCTCG
TTACCTGGATCTTTTACTTCATTTCATTTCGTTATATAATACATCTATGAAGCTTATCTACATTGCCTGC
TCCTACGCCACGGTGTACCTGATCTACATGAAGTTTAAGGCCACCTATGATGAAAATCACGACACCTTCC
GAGTGGAGTTTCTGTGGTTCCTGTAGGAGGCCTCTCATTCTAGTCAACCATGACTTCTCTCCTCTTGA
GATCTTGTGGACCTTCTCCATCTACCTGGAGTCCGTGGCCATCCTCCCACAGCTTTCATGATCAGCAAG
ACCGGCGAGGCCGAGACCATCACCACTACTCTTCTTCTGGTCTCTACCGTCTCTACCTAG
TCAACTGGATCTGGCGCTTCTACTTCGAGGGTTTCTTTGATCTCATTGCCGTGGTGGTGGTGTCTGCA
GACCATCTCTACTGCGACTTCTTCTACTTGTACATCACAAAAGTACTCAAGGAAAGAAGCTCAGCCTG
CCAGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205044 representing NM_001013122
Red=Cloning site Green=Tags(s)

MNIFRLTGDLSHLAAIVILLKIKWTRSCAGISGKSQLLFALVFTRYLDLFTSFISLYNTSMKLIYIAC
SYATVYLIYMKFKATYDGNHDTFRVEFLVVPVGLSFLVNHDFSPLEILWTFIYLESVAILPQLFMISK
TGEAETITTHYLFFLGLYRALYLVNWIWRFYEGFFDLIAVVAGVVQTILYCDFYLYITKVLKGGKLSL
PA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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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, NP_001013140.1</u>
RefSeq Size:	1809 bp
RefSeq ORF:	639 bp
Locus ID:	304290
UniProt ID:	<u>Q5U305</u>
Cytogenetics:	12p11
MW:	24.5 kDa
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]