

Product datasheet for **RN204835**

Kdr (NM_013062) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kdr (NM_013062) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kdr
Synonyms:	Vegfr-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry2 (PS100063)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204835 representing NM_013062 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGCAGGGCGCTGCTAGCTGTGCTCTGTGGTTCTGCGTGGAGACCCGAGCCGCCTCTGTGGTT
TGCCTGGCGATCCCTCCATCCACCAAGCTCAGCACAAAAAGACATACTTACAATTTTGGCAAATAC
AACCCCTCAGACTTTCAGGGGACAGAGGGACCTGGATTGGCTTTGGCCCAACTCCGCGTGACTCT
GAGGAAAGGGTGTGGTACTGAGTGTGGCGACAGTATCTTCTGCAAGACTCACAGTCCAGAGTGG
TTGGAAATGATACTGGAGCCTACAAGTCTTATCGGGACACCGATGTCTCCTCCATCGTTTATGTCTA
TGTTCAGATCACAGGTCACCATTTCATCGCCTCTGTGAGTACGAGCATGGCATCGTGTACATCACTGAG
AACAAAGACAAAAGTGTGGTATCCCATGCCGAGGGTTCGATTTCAAACCTCAACGTGTCACCTTTGTGCTA
GGTATCCAGAAAAGAGATTTGTTCCGGATGAAACAGAAATTTCTGGGACAGCGAGAAAAGCTTTACTAT
CCCCAGTTACATGATCAGCTATGCCGGCATGGTCTTCTGTGAGGCAAAGATTAATGATGAAACGTATCAG
TCTATCATGTACATAGTTCTGGTTGTAGGATATAGGATTTATGATGTGGTCTGAGCCCCCTCATGAAA
TTGAGCTATCTGCCGGAGAAAAGCTTGTCTTAAATGTACAGCAAGAAGAGCTCAACGTGGGGCTTGA
TTTCAGCTGGCAATCCCGTCTCAAAGCATCAGCATAAGAAGATTGTAACCCGGATGTGAAATCCCTT
CCTGGGACTGTGGCAAAGATGTTTTTGGACACCTTGACCATAGACAGTGTGACCAAGAGTACCAAGGAG
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ACCTTTTATTGCTTTTGGTAGCGGGATGAAATCTTTGGTGAAGCCACTGTGGGACGCAAGTCCGAATC
CCTGTGAAGTATCTCAGTTACCCAGCTCCTGATATCAAATGGTACAGAAATGGACGACCCATTGAGTCCA
ATTACACAATGATCGTTGGTGTGAACCTACCATCATGGAAGTGAAGAGATGCGGGAAACTACAC
GGTCATCCTACCAATCCATTTCAATGGAGAAACAGAGCCACATGGTCTCTCTGGTTGTGAATGTTCCA
CCCCAGATCGGTGAGAAAGCCTTGATCTCTCTATGGATTCTACCAGTATGGCACCATGCAGACGCTGA
CATGCACAGTCTATGCCAACCTCCCTGCACCACATCCAATGGTACTGGCAGCTAGAAGAAGCATGCTC
CTACAGGCCAGCAAACAAACCATATACTTGTAAAGAATGGAGACACGTGAAGATTTCCAGGGGGA



AATAAGATCGAAGTCACCAAAAACCAATATGCCCTAATTGAAGGAAAAACAAAACCTGTAAGTACTCTGG
 TCATCCAGGCTGCCTACGTGTCCGATTATACAAATGTGAAGCCATCAACAAAGCAGGACGAGGAGAGAG
 GGTTCATCTCCTCCATGTGATCAGGGTCTGAAATTACTGTCCAGCCTGCTACCCAGCCAACCGAGCGG
 GAGAGTATGTCTTTATTGTGCACTGCAGATAGAAAACAGTTTGAAGAACCTCACGTGGTACAAGCTTGGCT
 CACAGGCAACATCGGTCCACATGGGCGAATCACTCACACCAGTTTGAAGAACTTGGACGCTCTTTGGAA
 ACTGAATGGCACCGTGTCTTCTAACAGCACAACGACATCTTGATTGTGGCATTCCAGAATGCCCTCCCTG
 CAGGACCAAGGCAACTATGTCTGCTCTGCTCAAGACAAGAACCAAGAAAAGACATTGCCTAGTCAAGC
 AGCTCGTCATCCTAGAGCGCATGGCACCCATGATCACTGGAAATCTGGAGAATCAGACAACAACCTTGG
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 GAGACCCTTGTAGAAGATTGAGGCATTGTACTAAAAGACGGGAACCGAACCTAACTATCCGAAGGGTGA
 GGAAGGAAGACGGGGCCTCTACACCTGCCAGGCTGCAATGTCTTGGCTGTGCAAGAGCAGAGACT
 CTTATAATAGAAGCGTCCAGGAAAAGACCAACTTGAAGTATTATCCTCGTCGGCACTGCAGTGATT
 GCCATGTTCTTCTGGCTCCTTCTGTATTCTCGTACGGACCGTTAAGCGGGCAATGAAGGGAACTGA
 AGACAGGCTACTGTCCATTGTATGGATCCAGATGAAGTCCCTTGGATGAGCGCTGTGAACGCTTGCC
 TTATGATGCCAGCAAGTGGGAGTCCCCAGGGACCGGCTGAAACTAGGAAAACCTTTGGCCGTGGTGCC
 TTTGGCCAAGTGATTGAGGCAGATGCCTTTGGAATCGACAAGACAGCGACTTGAACAAACAGTGGCTGCA
 AGATGTTGAAAGAGGGAGCAACACACAGCGAGCACCGAGCCCTCATGTCCGAACCTCAAGATCCTCATCCA
 CATTGGCCACCATCTCAATGTGGTGAACCTGCTGGGTGCCTGCACGAAGCCCGGAGGGCCTCTCATGGT
 ATTGTAGAATTCTGCAAGTTTGGAAACCTATCAACTTACTTACGGGGCAAGAGAAATGAATTCGTGCCCT
 ATAAGAGCAAAGGGGCACGCTTCCGCTCTGGGAAAAGACTATGTTGGGGAGCTCTCCGTAGACCTGAAGCG
 GCGCTTGGACAGCATCACCAGCAGTCAGAGCTCTGCCAGCTCAGGTTTTGTGGAGGAGAAATCCCTCAGT
 GACGTAGAGGAAGAAGAAGCTTCTGAAGAACTGTACAAGGACTTCTGACCTTGGAGCATCTCATCTGTT
 ACAGTTCCAAGTGGCTAAGGGCATGGAGTCTTGGCATCAAGGAAGTGTATCCACAGGACCTGCCAGC
 ACGAAACATTCTCTATCGGAGAAGAAGCTGGTTAAAATCTGTGACTTTGGCTTGGCCCGGACATTTAT
 AAAGACCCAGATTACGTAGAAAAGGAGATCCCGACTCCCTTTGAAGTGGATGGCTCCGAAAACATTT
 TTGACAGAATATACACAATTGAGAGTGGTGTGGTCTTTTGGTGTCTTGGTCTGGGAAATATTTTCCTT
 AGGTGCTTCCCCATATCTGGGGTCAAGATTGATGAAAAATTTTGTAGGAGATTGAAAGAAGGAACGAGA
 ATGCGGGCTCCTGACTACACCACCCAGAAATGTACCAAACCATGCTGGATTGCTGGCATGAGGACCCCA
 ACCAGAGACCCGCTTTTTCAGAGTTGGTGGAGCACTTGGGAAATCTCTGCAAGCAAATGCTCAGCAGGA
 TGGCAAAGACTATATTGTTCTTCCAATGTCAGAGACACTGAGCATGGAAGAGGATTCTGGACTCTCCCTG
 CCTACCTCACCTGTTTCTGTATGGAGGAAGAGGAAGTGTGCGACCCAAATTCATTATGACAACACAG
 CAGGAATCAGTCATTATCTGCAGAACAGCAAGCGAAAAAGCCGGCAGTGAGTGTAAAAACATTTGAAGA
 TATCCCTTTGGAGGAACCAAGTAAAAGTATTCCAGATGACAGCCAGACAGACAGTGGGATGGTCCCT
 GCCTCAGAAGAGCTGAAAACCTCTGGAAGACAGGAACAAATATCTCCATCTTTTGGTGGGATGATGCCCA
 GTAAAAGCAGGGAGTCTGTGGCTCGGAAGGCTCCAACAGACCAGCGGCTACCAGTCTGGGTATCACTC
 AGACGACACAGATACCACCGTACTCCAGCGACGAGGCAAGACTTTTAAAGCTGGTGGATGTTGCAGGG
 CACGTTGACTCTGGGACCACACTGCGCTCATCTCTGTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/jc1394_e06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_013062

Insert Size: 4032 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).

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_013062.1</u> , <u>NP_037194.1</u>
RefSeq Size:	5892 bp
RefSeq ORF:	4032 bp
Locus ID:	25589
UniProt ID:	<u>O08775</u>
Cytogenetics:	14p11
Gene Summary:	receptor for vascular endothelial growth factor (VEGF) [RGD, Feb 2006]