

Product datasheet for **SC215972**

VEGF Receptor 2 (KDR) (NM_002253) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	VEGF Receptor 2 (KDR) (NM_002253) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KDR
Synonyms:	CD309; FLK1; VEGFR; VEGFR2
ACCN:	NM_002253
Insert Size:	1490 bp



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Insert Sequence: >SC215972 3'UTR clone of NM_002253
 The sequence shown below is from the reference sequence of NM_002253. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGGACCACACTGAGCTCTCCTCCTGTTAAAGGAAGCATCCACACCCCCAACTCCTGGACATCACATG
AGAGGTGCTGCTCAGATTTTCAAGTGTTGTTCTTTCCACCAGCAGGAAGTAGCCGATTTGATTTTCAT
TTGACAACAGAAAAAGGACCTCGGACTGCAGGGAGCCAGTCTTCTAGGCATATCCTGGAAGAGGCTTG
TGACCCAAGAATGTGTCTGTCTTCTCCAGTGTGACCTGATCCTCTTTTTCATTATTTAAAAAGC
ATTTATCATGCCCTGTGCGGGTCTCACCATGGGTTTAGAACAAGACGTTCAAGAAATGGCCCCAT
CCTCAAAGAAGTAGCAGTACCTGGGAGCTGACACTTCTGTAAACTAGAAGATAAACAGGCAATGTA
AGTGTTGAGGTGTTGAAGATGGGAAGGATTTGCAGGGCTGAGTCTATCCAAGAGGCTTTGTTAGGAC
GTGGGTCCAAGCCAAGCCTTAAGTGTGAATTCGGATTGATAGAAAGGAAGACTAACGTTACCTTGCT
TTGGAGAGTACTGGAGCCTGCAAATGCATTGTGTTTGCTCTGGTGGAGGTGGGCATGGGGTCTGTTCTG
AAATGTAAGGGTTCAGACGGGGTTTCTGGTTTTAGAAGTTGCGTGTCTTCGAGTTGGGCTAAAGTA
GAGTTCGTGTGTGTTTCTGACTCCTAATGAGAGTTCCTTCCAGACCGTTACGTGTCTCCTGGCCAAG
CCCCAGGAAGGAAATGATGCAGCTCTGGCTCCTTGTCTCCAGGCTGATCCTTTATTAGAAATACCACA
AAGAAAGGACATTCAGCTCAAGGCTCCCTGCCGTGTTGAAGAGTCTGACTGCACAAACCAGCTTCTGG
TTTCTTCTGGAATGAATACCCTCATATCTGTCTGATGTGATATGTCTGAGACTGAATGCGGGAGGTTT
AATGTGAAGCTGTGTGGTGTCAAAGTTTCAGGAAGGATTTTACCCTTTTGTCTTCCCCTGTCCCC
AACCCACTCTACCCCGCAACCCATCAGTATTTTAGTTATTTGGCCTCTACTCCAGTAAACCTGATTGG
GTTTGTCTACTCTCTGAATGATTATTAGCCAGACTTCAAATTATTTTATAGCCCAAATTATAACATCT
ATTGTATTATTTAGACTTTTAAACATATAGAGCTATTTCTACTGATTTTTGCCCTTGTCTGTCTTTTT
TTCAAAAAAGAAATGTGTTTTTTGTTGGTACCATAGTGTGAAATGCTGGGAACAATGACTATAAGAC
ATGCTATGGCACATATATTTATAGTCTGTTTATGTAGAAACAAATGTAATATATTAAGCCTTATATAT
AATGAACCTTGTACTATTCACATTTTGTATCAGTATTATGTAGCATAACAAAGGTCATAATGCTTTCAG
CAATTGATGTCATTTTATTAAGAACATTGAAAACTTGAA
ACGCGTAAGCGCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002253.4](#)

Summary:

Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas. [provided by RefSeq, May 2009]

Locus ID:

3791

MW:

56.2