

## Product datasheet for **RR204835**

### Kdr (NM\_013062) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kdr (NM_013062) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kdr
Synonyms:	Vegfr-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR204835 representing NM_013062 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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**Protein Sequence:** >RR204835 representing NM\_013062  
Red=Cloning site Green=Tags(s)

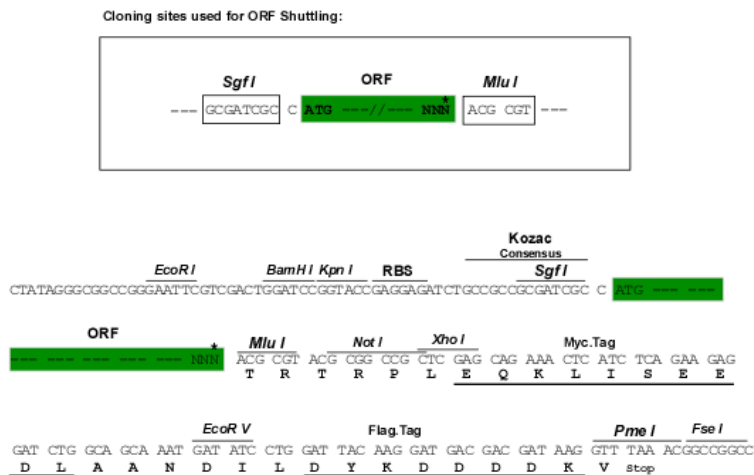
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 PTSPVSCMEEEEECDPKFHYDNTAGISHYLQNSKRKSRPVSVKTFEDIPLEEPEVKVIPDDSQDSDGMVL  
 ASEELKTELRNKLSPSFGGMMPKSRRESVASEGSNQTSGYQSGYHSDDTDTTVYSSDEAGLLKLVDVAG  
 HVDSGTTLRSSPVHVDSGTTLRSSPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1628\\_g11.zip](https://cdn.origene.com/chromatograms/ja1628_g11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

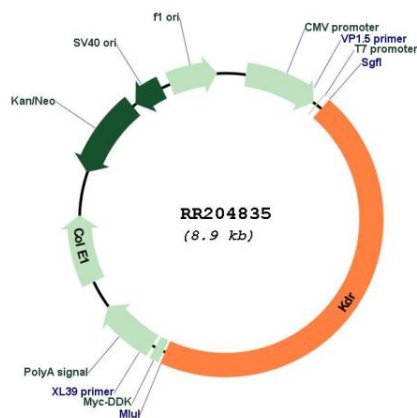


\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_013062

**ORF Size:** 4029 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq Size:</b>	5892 bp
<b>RefSeq ORF:</b>	4032 bp
<b>Locus ID:</b>	25589
<b>UniProt ID:</b>	<a href="#">O08775</a>
<b>Cytogenetics:</b>	14p11
<b>MW:</b>	150.4 kDa
<b>Gene Summary:</b>	receptor for vascular endothelial growth factor (VEGF) [RGD, Feb 2006]

**Product images:**


Circular map for RR204835