

## Product datasheet for **RR208938**

### **Kdsr (NM\_001108342) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kdsr (NM\_001108342) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Kdsr  
**Synonyms:** Fvt1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR208938 representing NM\_001108342  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGCTGCTGGCCGCCCGCCCTCGTGGCCTTCGTGCTACTCCTCTACATGGTGTGCCGCTCATCA  
GCCCAAGCCCTCGCGCTGCCCGCGCACGTAGTGGTCACAGGAGGTTCCAGTGGCATCGGGAAGTG  
CATTGCTATTGAGTGCTACAAACAGGGAGCGTTTATAACTCTGGTGCACGGAATGAGGACAAGCTACTG  
CAGGCCAAGAAAGAGATTGAAAAGTACTCCATTAAACGACAAACAGGTGGTGTGTATCTCAGTTGATG  
TGTCCTCAAGACTATAACCAAGTAGAGAATGTCATAAAGCAGGCACAGGAGAAGCTGGGTCCTGTGGACAT  
GCTGGTCAACTGTGCAGGCACCTCTAAGTCAGGAAAGTTTGAAGAACTTGAAGTTAGTAGTTTTGAGAAA  
TTAATGAGCATAAATTACCTGGGCAGCGTGTACCCAGCAGGGCGGTAATCACCACCATGAAGGAGCGCC  
GGGTGGGCAGGATCGTGTGTTGTCTCTCAGGCAGGACAGCTGGGGCTGTTTGGCTTACCAGCCTACTC  
TTCATCCAAGTTTGCCATAAGAGGATTGGCAGAAGCTCTGCAATGGAGGTGAAGCCGTATAATGTGTAC  
GTCAGTGTGGCCTACCCACCAGACACTGACACTCCGGGGCTGGCGAGGAAAAACAAACGAAGCCCTGG  
AGACCCGGCTTATCTCAGAGACCAGCTGTTTGCAAACCAGAGCAGGTGGCCAAACAAATGTCAAGGA  
TGCCATACAAGGGAATTTAATAGTTCTATTGGCTCAGATGGGTACATGCTGTCCTCCCTGACCTGTGGG  
ATGGCCCCGTGACTTCCATCACTGAAGGACTCCAGCAGGTGGTACCATGGGCCTTTCCGAAACATCG  
CTTTGTTTACCTTGGAAGTTTTGATAATAATTCCGCCCTGCATGGTGCAGAAAAGAAAGCCTGAAGT  
CGGAGACAAAAGCTGCC

**ACGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR208938 representing NM\_001108342  
Red=Cloning site Green=Tags(s)

MLLLAAAGLVAFVLLLYMVSPLISPKPLALPGAHVVTGGSSGIGKICIAIECYKQGFITLVARNEKLL  
 QAKKEIEKYSINDKQVVLCSVDVSQDYNQVENVIKQAQEKLPVDMLVNCAGTSKSGKFEELVSSFEK  
 LMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQAGQLGLFGFTAYSSSKFAIRGLAEALQMEVKPYNVY  
 VTVAYPPDTPGLAEENKTKPLETRLISETTAVCKPEQVAKQIVKDAIQGNFNSSIGSDGYMLSSLTCG  
 MAPVTSITGLQQVVTMGLFRTIALFYLGSDNIIRRCMVQKRKPEVGDKTA

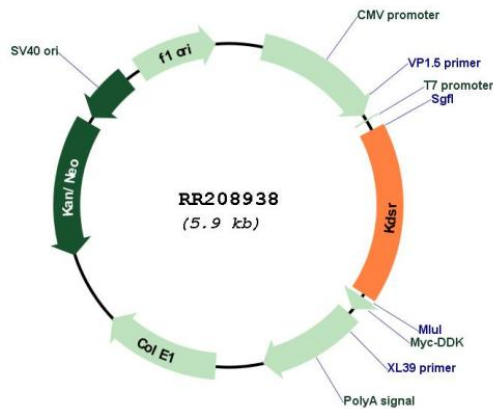
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108342

**ORF Size:** 996 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:</b>	<a href="#">NM_001108342.1</a> , <a href="#">NP_001101812.1</a>
<b>RefSeq Size:</b>	2519 bp
<b>RefSeq ORF:</b>	999 bp
<b>Locus ID:</b>	360833
<b>Cytogenetics:</b>	13p11
<b>MW:</b>	36 kDa