

## Product datasheet for **MR204897**

### **Kdsr (NM\_027534) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kdsr (NM\_027534) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Kdsr  
**Synonyms:** 6330410P18Rik; 9430079B08Rik; Fvt1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR204897 representing NM\_027534  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGCTGTTGGCCGCTGCCGGCCTCGTGGCCTTCGTGCTGCTCCTCTACATGGTGTGCGCCGCTCATCA  
GTCCCAAGCCCTCGCGCTGCCGGCGCGCACGTAGTGGTCACAGGAGGCTCCAGTGGCATTGGGAAGTG  
CATTGCTATTGAGTGCTACAAACAAGGAGCATTATAACTCTGGTTGCACGAAATGAGGACAAGCTACTG  
CAGGCCAAGAAAGACATTGAAAAGCACTCTATAATGACAAACAGGTGGTGTGTATCTCAGTTGATG  
TGTCTCAAGACTATAACCAAGTGGAGAATGTCATAAAGCAGGCACAAGAGAAGCTGGGCTCTGTGGACAT  
GCTGGTCAACTGTGCAGGCACCTCTATGTGAGGAAAGTTTGAAGAGCTTGAAGTTAGTAGTTTTGAGAAA  
TTAATGAGCATAAATTACCTGGGCAGCGTGTACCCAGCAGGGCAGTAATCACTACCATGAAGGAGCGAC  
GGTGGGCAGGATCGTGTGTTGTCTCAGGCAGGACAGCTGGGACTGTTTGGTTTCACGGCCTACTC  
TTCATCCAAGTTTGCCATAAGAGGATTGGCAGAAGCTCTGCAGATGGAGGTGAAGCCGTACAATGTGTAC  
GTCAGTGTGGCCTACCCACCAGACACCGACCGCCGGGCTGGCTGAGGAAAACAAAACGAAGCCCTGG  
AGACCCGGCTTATCTCAGAGACCACAGCTATTTGCAAACCAGAGCAGGTGGCCAAACAAATTGTCAAAGA  
TGCCATAACAAGGAAATTTAACAGTTCTATTGGCTCAGATGGGTACATGCTGTCTCCCTGACCTGTGGG  
ATGGCCCGGTGACTTCCATCACTGAAGGACTCCAGCAGGTGGTCACCATGGGCTTTTCCGAACAATTG  
CCTTGTTTTACCTTGAAGTTTCGATAATATAGTTCGCCGCTGCATGGTGCAGAAAGCAAACCTGAAGT  
GTAGACAAAAGTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204897 representing NM\_027534  
Red=Cloning site Green=Tags(s)

MLLLAAAGLVAFVLLLYMVSPLISPKPLALPGAHVVTGGSSGIGKICIAIECYKQGAFITLVARNEDKLL  
 QAKKDIEKHSINDKQVVLCSVDVVSQDYNQVENVIKQAQEKLGPDVMLVNCAGTSMGKFEELVSSFEK  
 LMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQAGQLGLFGFTAYSSSKFAIRGLAEALQMEVKPYNVY  
 VTVAYPDDTDPGLAEENKTKPLETRLISETTAICKPEQVAKQIVKDAIQGNFNSSIGSDGYMLSSLTCG  
 MAPVTSITEGLQQVVTMGLFRTIALFYLGSDNIYRRCMVQKAKPEVVDKTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9027\\_a07.zip](https://cdn.origene.com/chromatograms/mm9027_a07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_027534

**ORF Size:** 996 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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:** [NM\\_027534.2](#), [NP\\_081810.1](#)

**RefSeq Size:** 5582 bp

**RefSeq ORF:** 999 bp

**Locus ID:** 70750

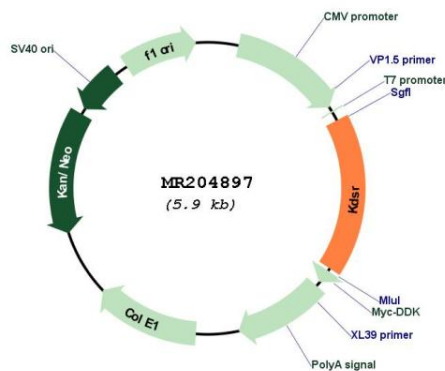
**UniProt ID:** [Q6GV12](#)

**Cytogenetics:** 1 E2.1

**MW:** 36.4 kDa

**Gene Summary:** Catalyzes the reduction of 3-ketodihydroshingosine (KDS) to dihydroshingosine (DHS).  
[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR204897