

Product datasheet for **MC201585**

Kdsr (NM_027534) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kdsr (NM_027534) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kdsr
Synonyms:	6330410P18Rik; 9430079B08Rik; Fvt1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC023820 sequence for NM_027534
 CCACGCGTCCGGCCCTCGCTCGCAAACCCAAACACTCCCAGTGTGCTGGTGCATGTGATCTCCCAGTAGTC
 GCTCGGCAGAGATGTTGCTGTTGGCCGCTGCCGGCCTCGTGGCCTTCGTGCTGCTCCTCTACATGGTGTG
 GCCGCTCATCAGTCCCAAGCCCCGCGCTGCCGGCGCGCACGTAGTGGTCACAGGAGGCTCCAGTGCC
 ATTGGGAAGTGCATTGCTATTGAGTGCTACAAACAAGGAGCATTATAACTCTGGTTGCACGAAATGAGG
 ACAAGCTACTGCAGGCGAAGAAAAGACATTGAAAAGCACTCTATTAATGACAAACAGGTGGTGTGTAT
 CTCAGTTGATGTGTCTCAAGACTATAACCAAGTGGAGAATGTCATAAAGCAGGCACAAGAGAAGTGGGT
 CCTGTGGACATGCTGGTCAACTGTGCAGGCACCTCTATGTCAGGAAAGTTTGAAGAGCTTGAAGTTAGTA
 GTTTTGAGAAATTAATGAGCATAAATTACCTGGGCAGCGTGTACCCAGCAGGGCAGTAATCACTACCAT
 GAAGGAGCGACGGGTGGGCAGGATCGTGTGTTGTCTCTCAGGCAGGACAGCTGGGACTGTTTGGTTTC
 ACGGCCTACTCTTCATCCAAGTTTGCCATAAGAGGATTGGCAGAAGCTCTGCAGATGGAGGTGAAGCCGT
 ACAATGTGTACGTCACTGTGGCTACCCACCAGACACCGACACGCCGGGGCTGGCTGAGGAAAAACAAAAC
 GAAGCCCTGGAGACCCGGCTTATCTCAGAGACCACAGCTATTTGCAAACCAGAGCAGGTGGCCAAACAA
 ATTTGCAAGATGCCATAACAAGGAAATTTAACAGTTCTATTGGCTCAGATGGGTACATGCTGCTCCTCCC
 TGACCTGTGGGATGGCCCGGTGACTTCCATCACTGAAGGACTCCAGCAGGTGGTACCATGGGCCCTTTT
 CCGAACAATTGCCTTGTGTTTACCTTGAAGTTTCGATAATATAGTTCGCCGCTGCATGGTGCAGAAAGCA
 AAACCTGAAGTTGTAGACAAAACCTGCCTAAACCTTGCCTTGGATGAAAGACTGAATCCAGTGATTTGA
 ACAGTGTGCTGCTAATGGAACACAAGTTTTGGCCTCCAGACTTTTGTATCTTGTGTTTGAATGTGTGAGA
 TTGGACCCCGTCTCTCAGAAATCTGGCTGTAAGCAGAGGGACATGAGGCCATCTACAACCTGTTAAA
 CACTATGCAAATATGGGCCAGGACACCTTTGATTTTCTGGGCTGTAGGGGTGATAGTGTGAGAACTAATA
 ACAGGAAAGCAGGGTAAAGAATAGCATTCCAGAACAGTAAATTCAGCTTTTCGGTCATTCTCCATCCTA
 CCCATAGAGATCAAGAAATGCCTCTGTGGCGTTTCTGAGGTTTTGTTTTGTTTTGTTTTGTTTTGTTT
 TTGTTTTGCTTTTTTTTTTTTTTTTTTTTTGATTTTGGGTTTTAACTTTTTATGAAAGATGGTCCGGATTTT
 TATTAGTCTTTTTTCTTTTTTGAATTTTTTGTAGTGTATGTTATTCAAGGTGTGCTTCCGAGTAGCCC
 GTGAGTCTGACTCTCAGCATGCCTTGTGCGCCTGGGACTCGCTTCTGCTAGTGAAGCTGGTTTCTCTCT
 CTTTGATCCCATAAAATTCGAGGGGGATGAGAGAGCAGCACAGAGGGCAAGGGGTGAGTCTTTGTGACG
 GCAAGCGGGGCTTTCTTGTCTTCTTAGACTGATGCTTACAACGTTTTTCATTTTTATTCAAGGGGAAAGGC
 AGCCTCTTACGTGTTTCGTGAAGAGAAATAAAATCTCCTAGCAGCTTAAAGTTACAGTTTCTCAGGAGC
 CATGATGACCTGAAGTTCACATTCATTTAGCTCAGTTCCTAGTGCTTATCGCTCTTCTAGTTTTGCT
 TATGCTACTGTAATTTTTGTAGAAGAAAGGAAGGAAGAAAAAAGATGGAGATCAGTGCAAATGTTT
 TTGACTTTTTTAATTAATCCATGAATTAATTAATAAAAAAATGAAAAGCATGAAAAAAAAAAAAAAAAAAAAA AAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_027534

Insert Size: 999 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:

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: [BC023820](#), [AAH23820](#)

RefSeq Size: 2107 bp

RefSeq ORF: 999 bp

Locus ID: 70750

UniProt ID: [Q6GV12](#)

Cytogenetics: 1 E2.1

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

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.