

Product datasheet for **MG204897**

Kdsr (NM_027534) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kdsr (NM_027534) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Kdsr
Synonyms: 6330410P18Rik; 9430079B08Rik; Fvt1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204897 representing NM_027534
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGCTGTTGGCCGCTGCCGGCCTCGTGGCCTTCGTGCTGCTCCTCTACATGGTGTGCGCCGCTCATCA
 GTCCCAAGCCCTCGCGCTGCCCGCGCGCACGTAGTGGTCACAGGAGGCTCCAGTGGCATTGGGAAGTG
 CATTGCTATTGAGTGCTACAAACAAGGAGCATTATAACTCTGGTTGCAGAAATGAGGACAAGCTACTG
 CAGGCCAAGAAAGACATTGAAAAGCACTCTAATAATGACAAACAGGTGGTGTGTATCTCAGTTGATG
 TGTCTCAAGACTATAACCAAGTGGAGAATGTCATAAAGCAGGCACAAGAGAAGCTGGGTCCTGTGGACAT
 GCTGGTCAACTGTGCAGGCACCTCTATGTCAAGAAAGTTTGAAGAGCTTGAAGTTAGTAGTTTTGAGAAA
 TTAATGAGCATAAATTACCTGGGCAGCGTGTACCCAGCAGGGCAGTAATCACTACCATGAAGGAGCGAC
 GGGTGGGCAGGATCGTGTGTTGTCTCCTCTCAGGCAGGACAGCTGGGACTGTTTGGTTTCACGGCCTACTC
 TTCATCCAAGTTTGCCATAAGAGGATTGGCAGAAGCTCTGCAGATGGAGGTGAAGCCGTACAATGTGTAC
 GTCACTGTGGCCTACCCACCAGACACCGACACGCCGGGCTGGCTGAGGAAAACAAAACGAAGCCCTGG
 AGACCCGGCTTATCTCAGAGACCACAGCTATTTGCAAACCAGAGCAGGTGGCCAAACAAATTGTCAAAGA
 TGCCATAACAAGGAAATTTAACAGTTCTATTGGCTCAGATGGGTACATGCTGTCTCCCTGACCTGTGGG
 ATGGCCCGGTGACTTCCATCACTGAAGGACTCCAGCAGGTGGTCACCATGGGCTTTTCCGAACAATTG
 CCTTGTTTTACCTTGAAGTTTCGATAATATAGTTCGCCCGCTGCATGGTGCAGAAAGCAAACCTGAAGT
 GTAGACAAAACCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG204897 representing NM_027534
Red=Cloning site Green=Tags(s)

MLLLAAAGLVAFVLLLYMVSPLISPKPLALPGAHVVTGGSSGIGKICIAIECYKQGAFITLVARNEDKLL
 QAKKDIEKHSINDKQVVLCSVDVSQDYNQVENVIKQAQEKLGPDVMLVNCAGTSMGKFEELVSSFEK
 LMSINYLGSVYPSRAVITTMKERRVGRIVFVSSQAGQLGLFGFTAYSSSKFAIRGLAEALQMEVKPYNVY
 VTVAYPPDTPGLAEENKTKPLETRLISETTAICKPEQVAKQIVKDAIQGNFNSSIGSDGYMLSSLTCG
 MAPVTSITEGLQQVVTMGLFRITIALFYLGSDNIVRRCMVQKAKPEVVDKTA

TRTRPLE - GFP Tag - V

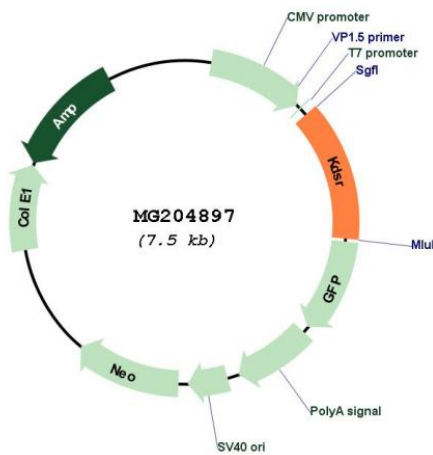
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_027534

ORF Size: 5579 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:	<ol style="list-style-type: none">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:	999 bp
RefSeq ORF:	999 bp
Locus ID:	70750
UniProt ID:	Q6GV12
Cytogenetics:	1 E2.1
Gene Summary:	Catalyzes the reduction of 3-ketodihydrospingosine (KDS) to dihydrospingosine (DHS). [UniProtKB/Swiss-Prot Function]