

Product datasheet for MC213140

Sdr16c5 (NM_181989) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sdr16c5 (NM_181989) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sdr16c5
Synonyms: Rdhe2; Scdr9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC213140 representing NM_181989
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTCAAACCTGGAATCAGTGAAGAACTTGCTTGTTTTCTGGGAAAATCACTGTTGAGTGTTTGG
 AGGCCCTACTTTTTCATGTCATCTCAAACCACGGAAGAACGTTGCCGGTGAGATAGTGCTCATAACAGG
 TGCTGGGAGTGGACTAGGAAGGCTCTTAGCATTGCAGTTGCCCGCTGGGAGCAGTGCTTGTCTCTGG
 GATGTGAACAAGGAGGCAAATGATGAGACTCATCAGTTAGCTCGGAAGCAGGAGCTGCCAGAGTACATG
 CCTACACCTGTGACTGCAGCCGGAGGGAAGAAGTGTACAGAGTGGCTGACCAGGTTAAGAAAGAAGTTGG
 TGATGTCTCTATCCTCATCAACAATGCCGGCATTGTAACAGGCAGAAATTCCTTGACTGCCAGATGAC
 CTCATGGAAAAGTCATTTGATGTCAATTTCAAAGCACATTTATGGATGTATAAAGCCTTCTGCCTGCCA
 TGATTGCTAAACAACCACGGCCATTTGGTTTGCATTTCAAGTTCAGCTGGATTAATTGGAGTAAATGGGCT
 GTCAGACTATTGTGCAAGTAAATTCGCAGCCCTGGATTTGCAGAATCTATGTTTATCGAAACACTTGCC
 AAGAAACAATGGGGATCAAACGACAATTGTGTGCCATTCTTTATAAAAACTGGAATGTTTGAAGTT
 GCACTACTAAGTGCCTACTCTGTTACCAATTCGGATCCAGAATATGCAGTTAGGAAAAATCATAGATGC
 CATTCTCCAGGAGCAGCTCTACTTGTATATGCCCAAGTTTTTATACTTCATAGTGTCTAAAAAGCATC
 TTGCCAATCAAGACAGGAATACTTATAGCTGACTACCTGGGAGTCTTTCATATGACAGAGGGCTTCACTG
 GCCAAAAGAAGAAA**ACTTAA**

ACGCGTACGCGGCCGCTCGAGCAGAAA**ACT**CATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_181989



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| | |
|-------------------------------|---|
| Insert Size: | 930 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: | <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_181989.1 , NP_871789.1 |
| RefSeq Size: | 1379 bp |
| RefSeq ORF: | 930 bp |
| Locus ID: | 242285 |
| UniProt ID: | Q7TQA3 |
| Cytogenetics: | 4 A1 |
| Gene Summary: | Oxidoreductase with strong preference for NAD. Active in both the oxidative and reductive directions. Oxidizes all-trans-retinol in all-trans-retinaldehyde. No activity was detected with 11-cis-retinol or 11-cis-retinaldehyde as substrates with either NAD(+)/NADH or NADP(+)/NADPH (By similarity).[UniProtKB/Swiss-Prot Function] |