

Product datasheet for MC212010

Srd5a2 (NM_053188) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srd5a2 (NM_053188) Mouse Untagged Clone
Tag: Tag Free
Symbol: Srd5a2
Synonyms: 5ART2; S5AR 2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212010 representing NM_053188
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGATTGTGTGCCATCAGGTCCCGGTGCTGGCAGGTAGCGCCACATTGGCCACCATGGGGACCCCTGA
 TCCTGTGCTTTGGGAAACCCGCCAGTTACGGGAAACACAGCGAGAGTGTGTCGTCGGGAGTCCCCTCCT
 GCCCGCACGCATAGCCTGGTTCCTGCAGGAGCTGCCTTCCTTTGTGGTGTGGTACGGGATGCTCGCTTGG
 CAGCCCGCTCCCTCCTTTGGACCTCCGGGGAATGTGCTGCTGGGTCTTCTCCGCACATTACTTCCACA
 GGACATTTATTTACTCATTGCTCACCAGAGGCAGGCCTTTATCAGCGGTGATCTTCTGAAAGCCACTGC
 CTTCTGCATAGGGAACGGACTCCTGCAAGCCTATTACCTGGTTTATTGCGCGGAATACCCTGAGGAGTGG
 TACACAGACATGCGGTTTAGCGTCGGTGTCTTCTTCTTTATTCTGGGGATGGGGATCAACATCCACAGTG
 ACTGCATGCTGCGCCAGCTCAGGAAGCCCGGAGAGGTCACTACAGGATCCCACAAGGTGGCTTGTTTAC
 GTATGTGCTGGAGCCAATTTCTGGGCGAGATTATTGAATGGATGGGCTACGCTTTGGCCACTTGGTCT
 GTTCCAGCCTTTGCTTTTGCATTTTACACTTTGTTTCTGGGGATGCAAGCTTTTACCACCACAGGT
 TCTACCTCAAGATGTTTAAGGATTACCCCAAATCTAGGAAAGCCCTATTCCATTCATCTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_053188
Insert Size: 765 bp



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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_053188.2 , NP_444418.1
RefSeq Size:	854 bp
RefSeq ORF:	765 bp
Locus ID:	94224
UniProt ID:	Q99N99
Cytogenetics:	17 E2
Gene Summary:	Converts testosterone (T) into 5-alpha-dihydrotestosterone (DHT) and progesterone or corticosterone into their corresponding 5-alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology.[UniProtKB/Swiss-Prot Function]