

Product datasheet for **RN214744**

Srd5a1 (NM_017070) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srd5a1 (NM_017070) Rat Untagged Clone
Tag: Tag Free
Symbol: Srd5a1
Synonyms: S5AR 1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214744 representing NM_017070
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGTTGGATGAGCTGTGCCTGCTCGACATGCTGGTCTACTTGAAGGTTTCATGGCCTTCGTGTCCA
TTGTGGGGCTCCGGTCGGTTGGCTCTCCGTACGGCCGCTACTCGCCGAGTGGCCCGGCATCCGAGTGCC
CGCGCGACCTGCCTGGTTCATACAGGAGCTGCCCTCGATGGCCTGGCCGCTGTACGAGTACATTCGTCT
GCAGCCGCGGACTGGGCAACCTGCCTAACCGCGTCTGCTGGCTATGTTTCTGATCCACTACGTGCAAA
GGACGCTGGTTTTCCCGTTCTGATCAGGGGAGGGAAGCCACCCTCCTGGTCACCTTTGTCTTGGCCTT
CCTGTTCTGCACCTTCAACGGCTATGTACAGAGCAGATACTTGAGCCAGTTTGGCGTTTATGCTGAAGAC
TGGGTGACCCATCCCTGTTTCTGACAGGCTTTGCCCTGTGGTTAGTGGGCATGGTGATAAATATCCACT
CAGACCACATCCTGAGGAATCTGAGAAAACCAGGGGAACTGGATACAAGATACCCAGGGGAGGCCTGTT
TGAATACGTATCTGCAGCCAATATTTGGGGAGCTCGTGGAGTGGTGTGGCTTTGCACTGGCCAGCTGG
TCCCTCCAGGGTGTAGTGTTCGACTGTTACACTCAGCACACTGCTCACCAGAGCGAAGCAGCACCATC
AGTGGTACCATGAGAAGTTTGAAGATTACCCCAAGTCAAGAAAAATACTGATTCCATTTGTGCTT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_017070
Insert Size: 768 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_017070.3 , NP_058766.2 |
| RefSeq Size: | 2638 bp |
| RefSeq ORF: | 768 bp |
| Locus ID: | 24950 |
| UniProt ID: | P24008 |
| Cytogenetics: | 1p11 |
| Gene Summary: | catalyzes the conversion of testosterone to dihydrotestosterone; required for male sex differentiation [RGD, Feb 2006] |