

Product datasheet for MC210140

Srd5a3 (NM_020611) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srd5a3 (NM_020611) Mouse Untagged Clone
Tag: Tag Free
Symbol: Srd5a3
Synonyms: 1110025P14Rik; A430076C09; AV364670; AW987574; D730040M03Rik; H5ar; S5AR 3; Srd5a2l
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210140 representing NM_020611
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGGGTGGGCCGGTTT**GAGCTCTCGGCCCTGAACCCCTGCGGACGCTGTGGCTGGCGCTGGCCG**
CCGCTTCTGTTCGCGCTGCTGCTGCAGCTGGCGCCCGCAGGCTGCTGCCGAGCTGCGCGCTCTTCCA
GGACCTGCTCCGCTACGGGAAGACCAAGCAGTCCGGCTCGCGGCCCGCCCGTCTGCAGGGCCTTCGAT
GTCCCAAGAGGTACTTTTCTCACTTCTACGTCATCTCAGTTGTGTGGAATGGCTCCCTGCTCTGGCTAC
TTTCTCAGTCGTTGTTCTGGGAGCACCTTTTCCAAACTGGCTTAGTGCTCTGCTCAGAACTCTTGGGGC
CACACAGTTCCAAGCCCTGGAGATGGAGTCCAAGGCTTCTCGGATGCCAGCGGCTGAGCTGGCTCTGTCT
GCCTTCTTGGTCTTGGTGTCTCTGGTCCACAGCCTTCGGAGACTCTTTGAGTGCTTCTACGTCAGTG
TCTTCTCTAATGCAGCCATTACGTTGTGCAGTACTGTTTCGGGCTTGTCTACTATGTGCTTGTGGCCT
GACTGTACTGAGCCAAGTGCCCATGGATGATAAGAATGTGTATGTTCTGGGAAGAATCTACTGATAAA
GCCCGGTGGTTCCACATCCTGGGCATGGTATGTTCTTCTGGTCATCCGCCATCAGTATAAATGCCACG
TCATCCTCAGCAACCTCAGGAGAAACAAAAAGGTGGTCCACTGCCAGCACCGGATCCCCTTTGG
AGACTGGTTCGAGTACGTGCTTTCAGTAACTACCTAGCAGAGCTGATGATCTACATCTCCATGGCTGTC
ACCTTTGGGCTCCACAACCTAACCTGGTGGCTGGTGGTACGATGTCTTCTCCAGCCAAGCCTTGTCCG
CATTCTTCAACCACAAGTTCTACAGAAGCACATTTGTCTCCTACCCAAAGCATAGGAAAGCGTTCCTCCC
ATTTTTGTTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020611



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Insert Size:	993 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_020611.4 , NP_065636.2
RefSeq Size:	1769 bp
RefSeq ORF:	993 bp
Locus ID:	57357
UniProt ID:	Q9WUP4
Cytogenetics:	5 C3.3
Gene Summary:	Plays a key role in early steps of protein N-linked glycosylation by being required for the conversion of polyprenol into dolichol. Dolichols are required for the synthesis of dolichol-linked monosaccharides and the oligosaccharide precursor used for N-glycosylation. Acts as a polyprenol reductase that promotes the reduction of the alpha-isoprene unit of polyprenols into dolichols in a NADP-dependent mechanism. Also able to convert testosterone (T) into 5-alpha-dihydrotestosterone (DHT).[UniProtKB/Swiss-Prot Function]