

Product datasheet for **RR208105**

Srd5a2 (NM_022711) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srd5a2 (NM_022711) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Srd5a2
Synonyms: S5AR 2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208105 representing NM_022711
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGATTGTCTGCCATCAGGTCCCGGTGCTGGCAGGTAGCGCCACATTGGCCACTATGGGGACCCTGA
TCCTGTGCTTAGGGAAACCCGCCAGTTACGGGAAACACACAGAGAGTGTGTCGTCGGGAGTCCCTTCCT
GCCGGCACGCATCGCCTGGTTCCTGCAGGAGTTGCCTTCTTTTGGTGTGGTAGGGATGCTCGCTTGG
CAGCCCGCTCCCTCTTCGGACCGCCGGGAATGTCCTGCTGGCTCTTCTCTGCACATTACTTCCACA
GGACATTTATTTACTCGTTGCTCACAAGAGGGAGGCCTTCCAGCGGTGCTGTTTTGAGAGCCACTGC
CTTCTGCATAGGGAACGGACTCCTTCAAGCCTACTACCTGGTTTACTGCGCAGAATACCCGAGGAGTGG
TACACAGATGTGCGGTTTAGCTTTGGTGTCTTCTGTTTATTCTGGGATGGGAATCAACATCCACAGTG
ACTACACCCTGCGCCAGCTCAGGAAGCCTGGAGAAGTCATCTATAGGATTCCTCGAGGTGGCTTGTTTAC
GTATGTCTCTGGAGCCAATTTCTGGGCGAGATTATTGAATGGATTGGCTACGCCTTGGCCACGTGGTCC
GTCCCAGCCTTCGCTTTCGCCTTTTTCACACTTGTTCCTGGGATGCAAGCCTTTTACCACCACAGGT
TCTACCTAAGATGTTTAAGGATTACCCCAAATCTAGGAAAGCTCTCATTCCATTCATCTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208105 representing NM_022711
 Red=Cloning site Green=Tags(s)

MQIVCHQVPVLGASATLATMGTLLILCLGKPASYGKHTESVSSGVPFLPARIAWFLQELPSFVSVGMLAW
 QPRSLFGPPGNVLLALFSAHYFHRTFFIYSLLTRGRPFPAVLFLRATAFCIGNLLQAYYL VYCAEYPEEW
 YTDVRFSGVFLFILGMGINIHSDYTLRQLRKPGVEIYRIPRGGFTYVSGANFLGEIIEWIGYALATWS
 VPAFAFAFFTLCLGMQAFYHHRFYLKMFKDYPKSRKALIPFIF

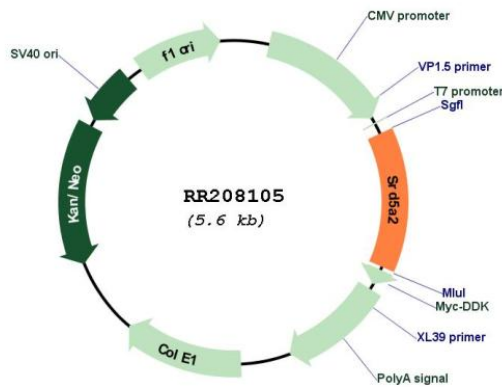
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022711
 ORF Size: 762 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_022711.4 , NP_073202.1
RefSeq Size:	1798 bp
RefSeq ORF:	765 bp
Locus ID:	64677
UniProt ID:	P31214
Cytogenetics:	6q14
MW:	28.8 kDa
Gene Summary:	enzyme which converts testosterone to dihydrotestosterone (DHT); also acts on progesterone and corticosterone; plays a central role in sexual differentiation and androgen physiology [RGD, Feb 2006]