

Product datasheet for SC119922

SRD5A2 (NM_000348) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SRD5A2 (NM_000348) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SRD5A2 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF sequence for NM_000348 edited |

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CGGCACGAGGCAGCGGCCACCGCGAGGAACACGGCGCATGCAGTTCAGTGCCAGCAG
AGCCCAGTGCTGGCAGGCAGCGCCACTTTGGTCGCCCTTGGGGCACTGGCCTTGTACGTC
GCGAAGCCCTCCGGCTACGGGAAGCACACGGAGAGCCTGAAGCCGGCGGCTACCCGCCTG
CCAGCCCAGCGCCGCTGGTTCCTGCAGGAGCTGCCTTCCTTCGCGGTGCCCGGGGATC
CTCGCCCAGCAGCCCTCTCCCTCTTCGGGCCACCTGGGACGGTACTTCTGGGCCTTTC
TGCCTACATTACTTCCACAGGACATTTGTGTACTIONTCAATCGAGGGAGGCCTTAT
CCAGCTATACTCATTCTCAGAGGCACTGCCTTCTGCACTGGAAATGGAGTCTTCAAGGC
TACTATCTGATTTACTGTGCTGAATACCCTGATGGGTGGTACACAGACATACGGTTTAGC
TTGGGTGCTTCTTATTTATTTGGGAATGGGAATAAACATTCATAGTACTATATATTG
CGCCAGCTCAGGAAGCCTGGAGAAATCAGCTACAGGATCCACAAGGTGGCTTGTTTACG
TATGTTTTCTGGAGCAATTTCTCGGTGAGATCATTGAATGGATCGGCTATGCCCTGGCC
ACTTGGTCCCTCCAGCACTTGCAATTTGCATTTTCTCACTTTGTTTCCTTGGGCTGCGA
GCTTTTACCACCATAGGTTCTACCTCAAGATGTTTGAGGACTACCCAAATCTCGGAAA
GCCCTTATCCATTATCTTTAAAGGAACCAAAATAAAAAGGAGCAGAGCTCCCAAT
GCTGATGAAAAGTCAAGCTGCTGAACTGTAATTTTCATGATATAATAGTCCCGTATA
TATGTAATAGTAGGTCTCCTGGCGTTCTGCCAGCTGGCCTGGGGATTCTGAGTGGTGTCT
GCTTAGAGTTTACTCCTACCCTTCCAGGGACCCCTATCCTGATCCCAACTGAAGCTTCA
AAAAGCCACTTTTCCAAATGGCGACAGTTGCTTCTTAGCTATTGCTCTGAGAAAGTACAA
ACTTCTCCTATGTCTTTCACCGGCAATCCAAGTACATGTGGCTTCATACCCACTCCCTG
TCAATGCAA

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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_000348 unedited</p> <pre>TCGCATTTTGTAAACGACTCACTATAGGGCGGCNCGCGAATTCGCACGAGGCAGCGGCC ACCGGCGAGGAACACGGCGCGATGCAGGTTCAAGTCCAGCAGAGCCCAGTGTGGCAGGC AGCGCCACTTTGGTGCCTTGGGGCACTGGCCTTGTACGTGCGAAGCCCTCCGGCTAC GGGAAGCACACGGAGAGCCTGAAGCCGGCGGCTACCCGCTGCCAGCCCGCGCCGCTGG TTCTGCAGGAGCTGCCTTCTTCGCGGTGCCCGGGGATCCTCGCCCGCAGCCCTC TCCCTCTTCGGGCCACCTGGGACGGTACTTCTGGGCCTTCTGCCTACATTACTCCAC AGGACATTTGTACTCACTGCTCAATCGAGGGAGGCCTTATCCAGCTATACTCATTCTC AGAGGCACTGCCTTCTGCACTGGAATGGAGTCCTTCAAGGCTACTATCTGATTTACTGT GCTGAATACCCTGATGGGTGGTACACAGACATACGGTTTGTAGTTGGGTGCTTCTTATTT ATTTTGGGAATGGGAATAAACATTCATAGTGACTATATATTGCGCCAGCTCAGGAAGCCT GGAGAAATCAGCTACAGGATCCACAAGGTGGCTTGTTCAGTATGTTTCTGGAGCCAAT TTCTCGGTGAGATCATTGAATGGNATCGCTATGCCCTGGCCACNTGGTCCCTCCNAGCA CTTGCAATTTGCATNTTCTCACTTTTGTTCCTGGGCTGCGAGCTTTTACCACCATAAG TTCTACCTCAAGATGTTGAGGACTACCCAATCTCGAAAGCCCTATNCATTTCATCTTTA AGGAACCANTTAAAAAGAGCAGACTCCNACATGCTGATGAAACTGTCAGTGCTGAACTG GNATTTTCATGAATATAGTCCGTTATATGTAAC</pre> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_000348 unedited</p> <pre>GCCGCAATCTAGAGTCGAGNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCAGGA TAAAAAGTTTTTAAATGAACAACAAAAACACTTATTTATATGATGGCAATTGGCATTTTT CAGTAATCTACATCATCTAAAACCTTTAAAGTTTCTATGGGACTTATATAGGGAGTTT CTGGGCTTAGTCCCACTGGGCTCATTTGTCAAACAGTTGGCTAAATATTGACAATGCA TTCCGCAAACATAGGCCGAAAAAACAATATTTCCATGTATTCCAATTACAAGCGTTTCG GCCCTTCTTAAAGAGTCCATATCTCAGCACTCATGCTGGGGGACCCCTTACAAAAAG TTGGCAAACCTCAAAGGCTTACTACCTACGTAGTTCCAGTTCTGGGGTGGAAATGTGGGCT CTGTATGTTCAAATCCTCCAACCTTTTTAAAGGAACCTAAAATGCTAGAGTTTTATGAAGG AATCTCCTGATTTTAAAGTTTTTGAACCTTTGGAAAAAATAAATCCTTTTGGTCTGAC CCAAACCAACCAGGTTTTTGC AAAACGTGCCCTTTGTGTGCAATTTT CAGCCTCTGC CTGCAGGTCCTTTGAGGAAGGCATT CAGGCCGCCCTTAGGAAACACCTTCTTGACACGGC CCGAAAAATCAAGGAAAACCTCCTTAAAGGAAATTTTTTGGGGCTCTCGCGTCCCTCAT TTGGCGGGGACCTCGGGGGGGGCAACACCCCTGCCACCCTATCATATACCCTCCCGCCC TACCCCAACCATTTTCGGCTCCGCCCCCCCCACACACCTACGTTCCCCCGCCTT TGCAAATGTTTCTTCCCGCGGACCCCAACAGCCATTGCGGTCCCTCCCTTTCCACA CACCCACGTTAGTCTTTTTGTCTCCGCGTCCATATATTGCCCGTCCAATATCCGTCAT CTATTATTGGCTCCGGTCCCCCCTGATTACATATTCTTATCACAACCTGCGTCCGCT CTCAGGAGGTCGTTGTTGTCGCTTAGCCAACCTCATTAGGTGCTACTGATAAA</pre> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_000348 |
| Insert Size: | 2550 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). |

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| 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_000348.2 , NP_000339.2 |
| RefSeq Size: | 2464 bp |
| RefSeq ORF: | 765 bp |
| Locus ID: | 6716 |
| UniProt ID: | P31213 |
| Cytogenetics: | 2p23.1 |
| Domains: | Steroid_dh |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Androgen and estrogen metabolism, Prostate cancer |
| Gene Summary: | This gene encodes a microsomal protein expressed at high levels in androgen-sensitive tissues such as the prostate. The encoded protein is active at acidic pH and is sensitive to the 4-azasteroid inhibitor finasteride. Deficiencies in this gene can result in male pseudohermaphroditism, specifically pseudovaginal perineoscrotal hypospadias (PPSH). [provided by RefSeq, Jul 2008] |