

Product datasheet for RC206593

HSD3B2 (NM_000198) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSD3B2 (NM_000198) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HSD3B2
Synonyms:	HSD3B; HSDB; SDR11E2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206593 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTGGAGCTGCCTTGTGACAGGAGCAGGAGGGCTTCTGGGTCAGAGGATCGTCCGCTGTTGGTGG
AAGAGAAGGAAGTGAAGGAGATCAGGGCCTTGGACAAGGCCTTCAGACCAGAATTGAGAGAGGAATTTTC
TAAGCTCCAGAACAGGACCAAGCTGACTGTACTTGAAGGAGACATTCTGGATGAGCCATTCTGAAAAGA
GCCTGCCAGGACGTCTCGGTCGTCATCCACACCCGCTGTATCATTGATGTCTTTGGTGTCACTCACAGAG
AGTCCATCATGAATGTCAATGTGAAAGGTACCCAGCTACTGTTGGAGGCCTGTGTCCAAGCCAGTGTGCC
AGTCTTACATACACCAGTAGCATAGAGGTAGCCGGGCCAACTCTACAAGGAAATCATCCAGAACGGC
CAGGAAGAAGAGCCTCTGGAAAACATGGCCCACTCCATACCCGTACAGCAAAAAGCTTGTGAGAAGG
CTGTGCTGGCGGCTAATGGGTGGAATCTAAAAATGGTGATACCTTGTACTTGTGCGTTAAGACCCAC
ATATATCTATGGGAAGGAGGCCATTCTTTCTGCCAGTATAAATGAGGCCCTGAACAACATGGGATC
CTGTCAAGTGTGGAAAGTTCTCTACAGTCAACCCAGTCTATGTTGGCAACGTGGCCTGGGCCACATTC
TGGCCTTGAGGGCTCTGCGGGACCCCAAGAAGGCCCAAGTGTCCGAGGTCAATTCTATTACATCTCAGA
TGACACGCCTCACAAAGCTATGATAACCTTAATTACATCCTGAGCAAAGAGTTTGGCCTCCGCCTTGAT
TCCAGATGGAGCCTTCTTTAACCTGATGTACTGGATTGGCTTCTGCTGGAAGTAGTGAGCTTCTCTAC
TCAGCCCAATTTACTCTATCAACCCCTTCAACCGCCACACAGTCACATTATCAAATAGTGTGTTTAC
CTTCTCTTACAAGAAGGCTCAGCGAGATCTGGCGTATAAGCCACTCTACAGCTGGGAGGAAGCCAAGCAG
AAAACCGTGGAGTGGTTGGTTCCCTTGTGGACCGGCACAAGGAGACCCTGAAGTCCAAGACTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

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_000198.4](#)

RefSeq Size: 1730 bp

RefSeq ORF: 1119 bp

Locus ID: 3284

UniProt ID: [P26439](#)

Cytogenetics: 1p12

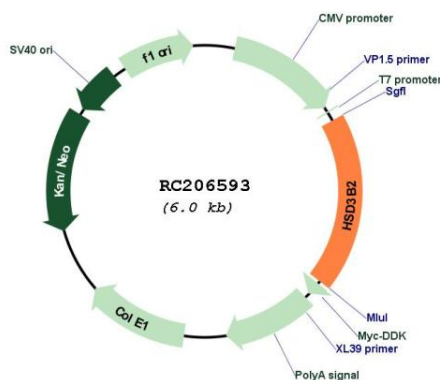
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways

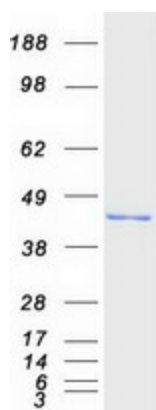
MW: 42.1 kDa

Gene Summary: The protein encoded by this gene is a bifunctional enzyme that catalyzes the oxidative conversion of delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. It plays a crucial role in the biosynthesis of all classes of hormonal steroids. This gene is predominantly expressed in the adrenals and the gonads. Mutations in this gene are associated with 3-beta-hydroxysteroid dehydrogenase, type II, deficiency. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RC206593



Coomassie blue staining of purified HSD3B2 protein (Cat# [TP306593]). The protein was produced from HEK293T cells transfected with HSD3B2 cDNA clone (Cat# RC206593) using MegaTran 2.0 (Cat# [TT210002]).