

## Product datasheet for RC226895

### DHRS9 (NM\_001142270) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS9 (NM_001142270) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DHRS9
Synonyms:	3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC226895 representing NM_001142270 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGCTCTTTGGGTGCTAGGCCTCCTAATCCTCTGTGGTTTTCTGTGGACTCGTAAAGGAAACTAAAGATTGAAGACATCACTGATAAGTACATTTTTATCACTGGATGTGACTCGGGCTTTGGAACTTGGCAGCCAGAACTTTTGATAAAAAGGGATTTTCATGTAATCGCTGCCTGTCTGACTGAATCAGGATCAACAGCTTTAAAGGCAGAAACCTCAGAGAGACTTCGTACTGTGCTTCTGGATGTGACCGACCCAGAGAATGTCAAGAGGACTGCCAGTGGGTGAAGAACCAAGTTGGGAGAAAGTCTCTGGGTCTGATCAATAATGCTGGTGTCCCGCGTGTCTGGCTCCCACTGACTGGCTGACACTAGAGGACTACAGAGAACCTATTGAAGTGAACCTGTTGGACTCATCAGTGTGACACTAAATATGCTTCCCTTTGGTCAAGAAAGCTCAAGGGAGAGTTATTAATGTCTCCAGTGTGGAGGTCGCCTTGCAATCGTTGGAGGGGCTATACTCCATCCAAATATGCAGTGGAGGTTTCAATGACAGCTTAAGACGGGACATGAAAGCTTTTGGTGTGCACGTCTCATGCATTGAACCAGGATTGTTCAAAACAACTTGGCAGATCCAGTAAAGGTAATTGAAAAAACTCGCCATTTGGGAGCAGCTGTCTCCAGACATCAAAACAATATGGAGAAGTTACATTGAAAAAGTCTAGACAACTGAAAGCAATAAATCCTATGTGAACATGGACCTCTCCGGTGGTAGAGTGCATGGACCAGCTCTAACAAGTCTTCCCTAAGACTCATATGCCCTGAAAAGATGCCAAAATTTCTGGATACCTCTGTCTCACATGCCAGCAGCTTGAAGACTTTTTATTGTTGAAACAGAAAGCAGAGCTGGCTAATCCCAAGGCAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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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\\_001142270.2](#)

**RefSeq Size:** 1760 bp

**RefSeq ORF:** 960 bp

**Locus ID:** 10170

**UniProt ID:** [Q9BPW9](#)

**Cytogenetics:** 2q31.1

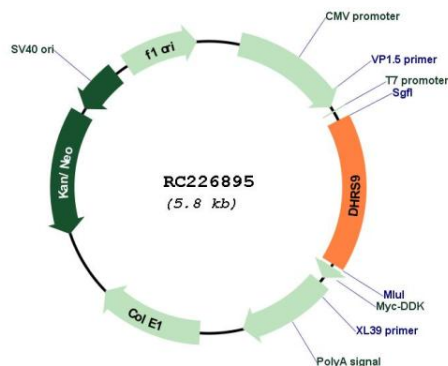
**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Retinol metabolism

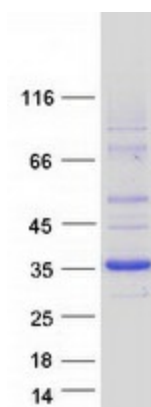
**MW:** 35.2 kDa

**Gene Summary:** This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. This protein demonstrates oxidoreductase activity toward hydroxysteroids and is able to convert 3-alpha-tetrahydroprogesterone to dihydroxyprogesterone and 3-alpha-androstanediol to dihydroxyprogesterone in the cytoplasm, and may additionally function as a transcriptional repressor in the nucleus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

### Product images:



Circular map for RC226895



Coomassie blue staining of purified DHRS9 protein (Cat# [TP326895]). The protein was produced from HEK293T cells transfected with DHRS9 cDNA clone (Cat# RC226895) using MegaTran 2.0 (Cat# [TT210002]).