

Product datasheet for **RG201307**

DHRS11 (NM_024308) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS11 (NM_024308) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHRS11
Synonyms:	ARPG836; SDR24C1; spDHRS11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201307 representing NM_024308 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGGCCCGGCATGGAGCGGTGGCGCACC GGCTGGCGCTGGTGACGGGGGCTCGGGGGGCATCG
GCGCGCCGTGGCCGGGCCCTGGTCCAGCAGGGACTGAAGTGGTGGGCTGCGCCCGACTGTGGGCAA
CATCGAGGAGCTGGCTGCTGAATGTAAGAGTGCAGGCTACCCGGGACTTTGATCCCTACAGATGTGAC
CTATCAAATGAAGAGGACATCCTCTCCATGTTCTCAGCTATCCGTTCTCAGCACAGCGGTGTAGACATCT
GCATCAACAATGCTGGCTTGGCCCGCCTGACACCCTGCTCTCAGGCAGCACCAGTGGTTGAAGGACAT
GTTCAATGTGAACGTGCTGGCCCTCAGCATCTGCACACGGGAAGCCTACCAGTCCATGAAGGAGCGGAAT
GTGGACGATGGGCACATCATTAAACATCAATAGCATGTCTGGCCACCGAGTGTACCCTGTCTGTGACCC
ACTTCTATAGTGCCACCAAGTATGCCGCTACTGCGCTGACAGAGGGACTGAGGCAAGAGCTTCGGGAGGC
CCAGACCCACATCCGAGCCACGTGCATCTCTCCAGGTGTGGTGGAGACACAATTCGCCTTCAAATCCAC
GACAAGGACCCTGAGAAGGCAGCTGCCACCTATGAGCAAATGAAGTGTCTCAAACCCGAGGATGTGGCCG
AGGCTGTTATCTACGTCTCAGCACCCCGCACACATCCAGATTGGAGACATCCAGATGAGGCCACGGA
GCAGGTGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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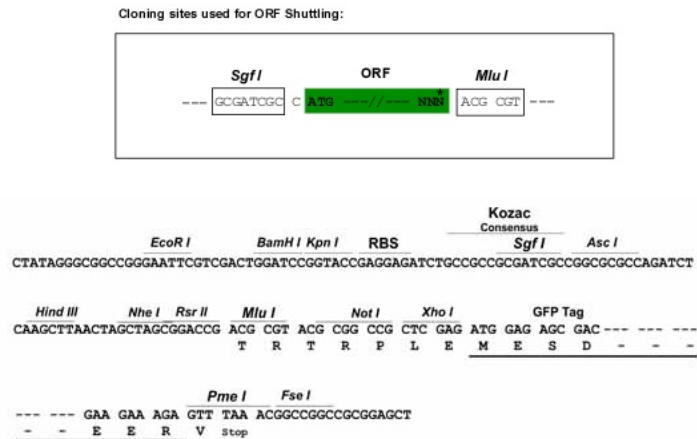
Protein Sequence: >RG201307 representing NM_024308
 Red=Cloning site Green=Tags(s)

MARPGMERWRDLALVTGASGGIGAAVARALVQQLKVVGCARTVGNIEELAAECKSAGYPGTLIPYRCD
 LSNEEDILSMFSAIRSQHSQVDICINNAGLARPDLLL SGSTSGWKDMFNVNLALSICTREAYQSMKERN
 VDDGHIININSMGSHRVLPLSVTHFY SATKYAVTALTEGLRQELREAQTHIRATCISPGVVETQFAFKLH
 DKDPEKAAATYEQMKCLKPEDVAEAVIYVLSTPAHIQIGDIQMRPTEQVT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024308

ORF Size: 780 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:

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_024308.4](#)

RefSeq Size: 1608 bp

RefSeq ORF: 783 bp

Locus ID: 79154

UniProt ID: [Q6UWP2](#)

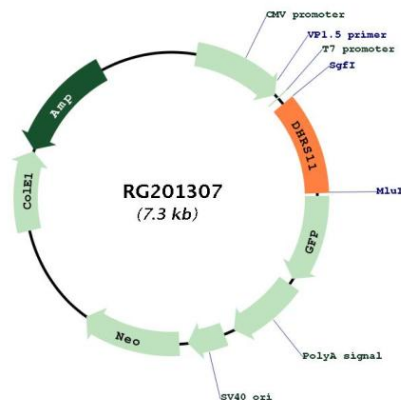
Cytogenetics: 17q12

Domains: adh_short

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Catalyzes the conversion of the 17-keto group of estrone, 4- and 5-androstenes and 5-alpha-androstanes into their 17-beta-hydroxyl metabolites and the conversion of the 3-keto group of 3-, 3,17- and 3,20- diketosteroids into their 3-hydroxyl metabolites. Exhibits reductive 3-beta-hydroxysteroid dehydrogenase activity toward 5-beta-androstanes, 5-beta-pregnanes, 4-pregnanes and bile acids. May also reduce endogenous and exogenous alpha-dicarbonyl compounds and xenobiotic alicyclic ketones.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201307