

Product datasheet for **RG237851**

DHRS9 (NM_001289763) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS9 (NM_001289763) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHRS9
Synonyms:	3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHL; RDHTBE; RETSDR8; SDR9C4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237851 representing NM_001289763. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCAGAAGGAAGAAGCCACTGTGCATGCTCTATCACCAGCCTCACCTCCTGGTCAGCCTTACAAGA
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GATGCCAAAAATTTCTGGATACCTCTGTCTCACATGCCAGCAGCTTTGCAAGACTTTTTATTGTTGAAA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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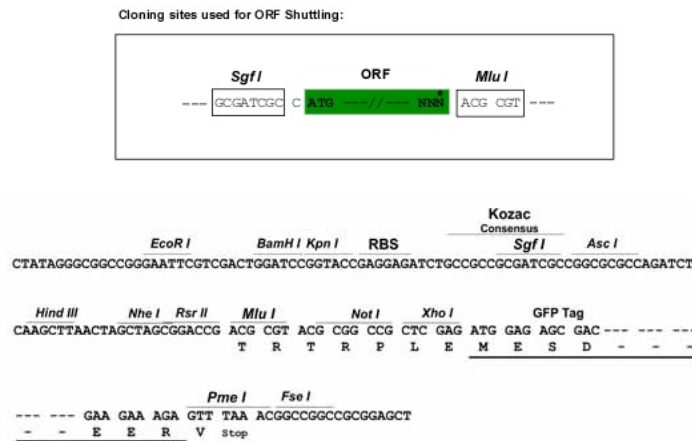
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237851
 Blue=ORF Red=Cloning site Green=Tag(s)

MPEGRSHCACISITSLTLLVSLTRVTLIDILQKLDPPQPAHWRHLLVLKKGVYLSHTGGKMLFWLGLL
 ILCGFLWTRKGLKIEDITDKYIFITGCDSGFGNLAARTFDKKGHVIAACLTEGSTALKAETSERLR
 TVLLDVTDPENVKRTAQWVKNQVGEKGLWGLINNAGVPGVLAPTDWLTLEDYREPIEVNLFGLISVTLN
 MLPLVKKAQGRVINVSSVGGRLAIVGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSCEIPEGLFKTNLADP
 VKVIEKKLAIWEQLSPDIKQQYGEYIEKSLDKLKGKNSYVNMDLSPVVECMDHALTSLFPKTHYAAGK
 DAKIFWIPLSHMPAALQDFLLKQKAEANPKAV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001289763

ORF Size: 1137 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).

RefSeq: [NM_001289763.2](#)

RefSeq Size: 1670 bp

RefSeq ORF: 1140 bp

Locus ID: 10170

UniProt ID: [Q9BPW9](#)

Cytogenetics: 2q31.1

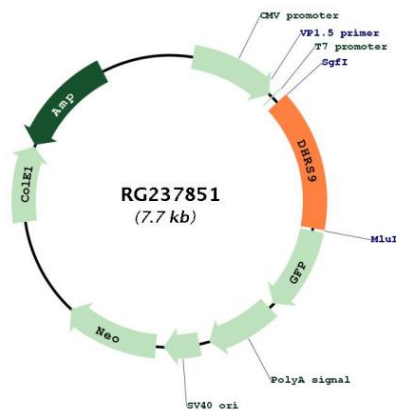
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Retinol metabolism

MW: 42.4 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 RG237851