

Product datasheet for RC220853L3

OriGene Technologies, Inc.

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DHRS9 (NM_199204) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DHRS9 (NM_199204) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: DHRS9

Synonyms: 3-alpha-HSD; 3ALPHA-HSD; RDH-E2; RDH-TBE; RDH15; RDHTBE; RETSDR8; SDR9C4

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220853).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_199204

ORF Size: 957 bp





DHRS9 (NM_199204) Human Tagged Lenti ORF Clone - RC220853L3

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: <u>NM 199204.1</u>

 RefSeq Size:
 1993 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

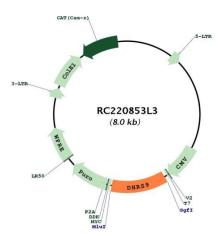
Gene Summary: This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) family.

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 RC220853L3