

Product datasheet for **SC329459**

DHFRL1 (DHFR2) (NM_001195643) Human Untagged Clone

Product data:

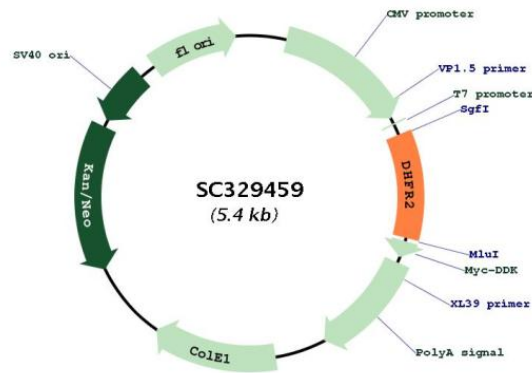
Product Type: Expression Plasmids
Product Name: DHFRL1 (DHFR2) (NM_001195643) Human Untagged Clone
Tag: Tag Free
Symbol: DHFR2
Synonyms: DHFRL1; DHFRP4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329459 representing NM_001195643.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTTCTTTTGCTAAACTGCATCGTCGCTGTGTCCAAAACATGGGCATCGGCAAGAACGGGGACCTG
CCCAGGCCCGCTCAGGAATGAATTCAGGTATTTCCAGAGAATGACCACAACCTCTTCAGTAGAGGGT
AAACAGAATCTGGTGATTATGGGTAGGAAGACCTGGTTCTCCATTCCTGAGAAGAATCGACCTTTAAAG
GATAGAATTAATTTAGTTCTCAGCAGAGAACTCAAGGAACCTCCACAAGGAGCTCATTTTCTTGCCAGA
AGTTTGGATGATGCCTTAAACTTACTGAACGACCAGAATTAGCAAATAAAGTAGACATGATTTGGATA
GTTGGTGGCAGTTCTGTTTATAAGGAAGCCATGAATCACCTAGGCCATCTTAACTATTTGTGACAAGG
ATCATGCAGGACTTTGAAAGTGACACGTTTTTTTCAGAAATTGACTTGGAGAAATATAAACTTCTGCCT
GAATACCCAGGTGTTCTCTCTGTATGTCCAGGAGGGGAAACACATCAAGTACAAATTTGAAGTATGTGAG
AAGGATGATTAA
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001195643

Insert Size: 564 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001195643.1](#)

RefSeq Size: 4047 bp

RefSeq ORF: 564 bp

Locus ID: 200895

UniProt ID: [Q86XF0](#)

Cytogenetics: 3q11.2

Protein Families: Druggable Genome

MW: 21.6 kDa

Gene Summary: Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate biosynthesis pathway. Required to prevent uracil accumulation in mtDNA. Binds its own mRNA and that of DHFR.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) is the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.