

Product datasheet for SC312605

DHRS12 (NM_024705) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | DHRS12 (NM_024705) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | DHRS12 |
| Synonyms: | SDR40C1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC312605 representing NM_024705. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
 ATGAATCTGCATGTAAGACTTTGTCCCTCATGACTTGGAGGTCCAGATTCTGGAAGAGTCTTTTTGG
 TCACTGGAGGAAACAGCGGCATTGGCAAAGCAACTGCCCTTGAAATCGCCAAGCGAGAATTTTTCTG
 CACATTGTGGACTTGTCTGATCCCAAGCAAATCTGGAAATTTGTTGAAAATTTCAAGCAGGAACATAAA
 CTCCATGTTCTGATCAATAATGCAGTTGCATGGTCAATAAAAGAGAGCTCACAGAAGATGGACTTGAA
 AAAAATTTGCTGCCAATACTCTGGGTGTGTACATTCTCAGGACCGCCTGATCCCTGTGCTGGAGAAA
 GAACACGACCCCGAGTGATAACCGTCTCCTCAGGAGGAATGTTGGTTCAGAACTGAACACCAATGAT
 CTCCAGTCCGAAAGAACACCATTTGATGGAATATGGTCTATGCACAAAACAAGAGGCAGCAAGTGTT
 CTGACGGAGCGGTGGGCCAAGGGCACCCGGCCATCCATTTTCTTCATGCATCCTGGCTGGGCCGAC
 ACCCCAGGTGTGAGGCAGGCGATGCCGGGGTTCCACGCCAGGTTCCGGGACCGCCTGCGCTCCGAGGCC
 CAGGGCGCGGACCATGCTGTGGCTGGCCCTCTCCTCTGCCGAGCCGCACAGCCAGCGGCCGCTTC
 TTTCAAGTGACTTCTCCCTGGCTGTGAAGGCAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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| Restriction Sites: | SgfI-MluI |
| ACCN: | NM_024705 |
| Insert Size: | 729 bp |


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| 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). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <ol style="list-style-type: none"> 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_024705.2</u> |
| RefSeq Size: | 2015 bp |
| RefSeq ORF: | 729 bp |
| Locus ID: | 79758 |
| UniProt ID: | <u>A0PJE2</u> |
| Cytogenetics: | 13q14.3 |
| Protein Families: | Druggable Genome |
| MW: | 27.1 kDa |
| Gene Summary: | <p>This gene encodes a member of the short-chain dehydrogenases/reductases (SDR) family, which has over 46,000 members. Members in this family are enzymes that metabolize many different compounds, such as steroid hormones, prostaglandins, retinoids, lipids and xenobiotics. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate 3' terminal exon, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.</p> |