

Product datasheet for **RG216252**

DHRS12 (NM_024705) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DHRS12
Synonyms:	SDR40C1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216252 representing NM_024705
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATCTGCATGTAAAGACTTTGTCCCTCATGACTTGGAGGTCCAGATTCTTGAAGAGTCTTTTTGGT
CACTGGAGGAAACAGCGGCATTGGCAAAGCAACTGCCCTTGAATCGCCAAGCGAGAACATTTTTCTGCA
CATTGTGGACTTGTCTGATCCCAAGCAAATCTGGAAATTTGTTGAAATTTCAAGCAGGAACATAAACTC
CATGTTCTGATCAATAATGCAGTTGCATGGTCAATAAAAGAGAGCTCACAGAAGATGGACTTGAAAAA
ACTTTGCTGCCAATACTCTGGGTGTGACATTCTCACGACCGGCCTGATCCCTGTGCTGGAGAAAGAACA
CGACCCCCGAGTGATAACCGTCTCCTCAGGAGGAATGTTGGTTCAGAACTGAACACCAATGATCTCCAG
TCCGAAAGAACACCATTTGATGGAATATGGTCTATGCACAAAACAAGAGGCAGCAAGTGGTCTGACGG
AGCGGTGGGCCAAGGGCACCCGGCCATCCATTTTCTTCATGCATCCTGGCTGGGCCGACACCCAGG
TGTGAGGCAGGCGATGCCGGGGTTCCACGCCAGGTTCCGGGACCGCTCGCTCCGAGGCCAGGGCGCG
GACACCATGCTGTGGCTGGCCCTCTCCTCTGCCGACGCCGACAGCCAGCGGCCGCTCTTTCAAGGTG
ACTTCTCCTGGCTGTGAAGGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG216252 representing NM_024705

Red=Cloning site Green=Tags(s)

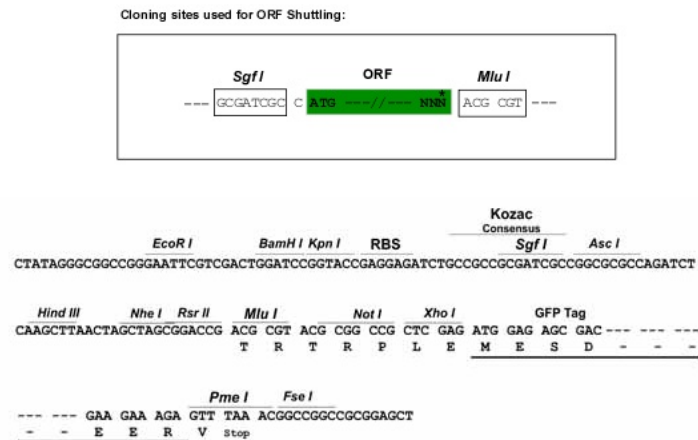
MNLHVKTLSLMTWRSRFLEESFWSLEETAALAKQLPLKSPSENI FLHIVDLSDPKQIWK FVENFKQEHL
HVLINNAGCMV NKRELTEDGLEKNFAANTLGVYILTTGLIPVLEKEHDP RVITVSSG GMLVQKLNTNDLQ
SERTPF DGT MVYAQNKRQQVVLTERWAQGHPAIHFSSMHPGWADTPGVRQAMP GFHARFGDRLRSEAQGA
DTMLWLALSSAAAQPSGRFFQGDFLPGCEGS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_024705

ORF Size:

726 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:

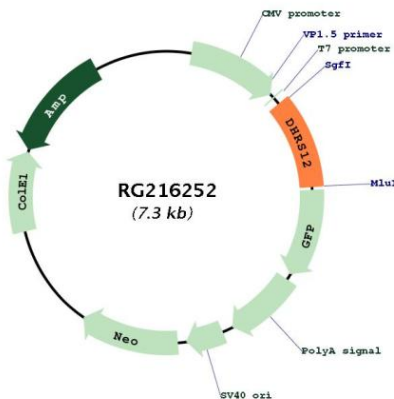
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_024705.2 , NP_078981.1
RefSeq Size:	1970 bp
RefSeq ORF:	729 bp
Locus ID:	79758
UniProt ID:	A0PJE2
Cytogenetics:	13q14.3
Protein Families:	Druggable Genome
Gene Summary:	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]

Product images:



Circular map for RG216252