

## Product datasheet for **RG230762**

### **DHRS4L2 (NM\_001193636) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS4L2 (NM_001193636) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHRS4L2
Synonyms:	SDR25C3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230762 representing NM_001193636 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGGCTGCTAGGCCTCTGTGCCTGGGCACGGAAGTCGGTGC GGTTGGCCAGCTCCAGGATGACCC  
GCCGGGACCCGCTCACAATAAGGTGGCCCTGGTAACGGCCTCCACCGACGGGATCGCTTCGCCATCGC  
CCGGCGTTTGGCCAGGACAGGGCCACGTGGTCGTCAGCAGCCGGAAGCAGCAGAATGTGGACCAGGCG  
GTGGCCACGCTGCAGGGGAGGGGCTGAGCGTGACGGGCACTGTGTGCCATGTGGGAAGCGGAGGACC  
GGGAGCGGCTGGTGGCCATGGCTGTGAAGCTTCATGGAGGTATCGATATCCTAGTCTCCAATGCTGCTGT  
CAACCTTTCTTTGGAAGCCTAATGGATGTCACCGAGGAGGTGTGGGACAAGACTCTGGACATTAATGTG  
AAGGCCCCAGCCCTGATGACAAAGGCAGTGGTGCCAGAAATGGAGAAACGAGGAGCGGGCTCAGTGGTGA  
TCGTGTCTTCCATAGCAGCCTTCAGTCCATCTCCTGGCTTCAGTCTTACAATGTCAGTAAACAGCCTT  
GCTGGGCTCAACAATACCCTGGCCATAGAGCTGGCCCCAAGGAACATTAGGGTGAAGTGCCTGCACCTG  
GACTTATCAAGACTAGCTTCAGCAGGATGCTCTGGATGGACAAGGAAAAAGAGGAAAGCA

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG230762 representing NM\_001193636  
Red=Cloning site Green=Tags(s)

MARLLGLCAWARKSVRLASSRMTRRDPLTNKVALVTASTDGIGFAIARRLAQDRAHVVVSSRKQQNVQQA  
 VATLQGEGLSVTGTVCHVGKAEDRERLVAMAVKLHGGIDILVSNAAVNPFPGSLMDVTEEVWDKTLDINV  
 KAPALMTKAVVPEMEKRRGGSSVIVSSIAAFSPSPGFSYVNVSKTALLGLNNTLAIELAPRNIRVNLHL  
 DLSRLASAGCSGWTRKKRKA

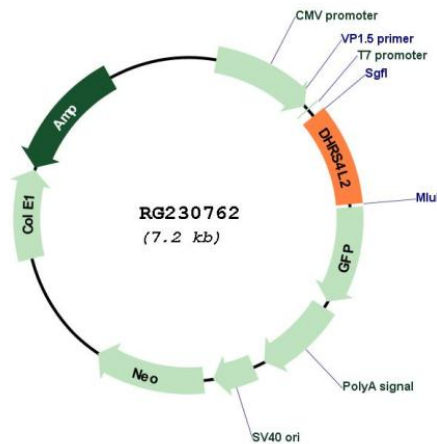
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001193636

**ORF Size:** 693 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001193636.1</a> , <a href="#">NP_001180565.1</a>
<b>RefSeq Size:</b>	1585 bp
<b>RefSeq ORF:</b>	396 bp
<b>Locus ID:</b>	317749
<b>Cytogenetics:</b>	14q11.2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Metabolic pathways, Retinol metabolism
<b>Gene Summary:</b>	This gene encodes a member of the short chain dehydrogenase reductase family. The encoded protein may be an NADPH dependent retinol oxidoreductase. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2010]