

## Product datasheet for **RG228259**

### ZDHHC15 (NM\_001146256) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC15 (NM_001146256) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZDHHC15
Synonyms:	DHHC15; MRX91
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228259 representing NM_001146256 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGGCGAGGCTGGAAGATGGCTCTGTCTGGGGGCTGCGGTGCTGCCGCCGGTACTGTCCTGGGTGC  
CAGTGCTCGTTATTGTCCTCGTCGTCTGGTCTACTATGCCTACGCTTTGAACTCTGCCTGGTTAT  
TTACCTCATACTCTACCATGCCATCTTTGTGTTCTTTACCTGGACCTACTGGAAGTCTATCTTTACTC  
CCACAGCAGCCAAACCAGAAGTCCACTTGTCTACACAGACAAGGAGCGCTATGAAAATGAAGAAAGAC  
CTGAGGTCAGAAAGCAGATGCTTGTGATATGGCCAAAAGCTACCGTTTACACAAGAAGTGGAAAGTGG  
AGCTGTACGATTCTGTGACCGGTGTCATCTGATCAAGCCAGACCGCTGCCACCACTGCTCTGTCTGTCT  
ATGTGTGTGTTAAAAATGGATCATCACTGCCCTTGGGTTAATAACTGCATTGGATTTTCCAACACAAA  
TCTTCCTCAATTCTTAGCTTACTCTGTCTCTACTGCCTGTACATTGCTACGACAGTCTTCAGCTATTT  
CATCAAACTACTGGAGAGGGGAATTACCCAGTGTTCGCTCTAAGTTCATGTCCTTTTTCTCTTTGTG  
GCCTGCATGTTTTTTGTCAGCCTGTGATTCTCTTTGGTTACCATTGTTGGCTTGTGACAGAAAACAAA  
CCACCTTAGAGGCCTTCTGCACTCCAGTGTTCACAAGTGGCCAGAGAAAATGGGTTCAACCTTGGCTT  
CATCAAGAATATCCAGCAGGTGTTTGGAGATAAGAAGAAGTCTGGTTAATACCTATTGGTCCAGCCCT  
GGTGATGGACACTCCTTCCCTATGAGGTCTATGAATGAGTACAGAACCCACTGCTAGCAATGAAGAAA  
CCTGGGAAGACAACGAGGATGACAACCAAGATTATCCAGAAGGTCATCATCTCTGTCTGTGAAAACGGA  
AACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG228259 representing NM\_001146256  
 Red=Cloning site Green=Tags(s)

MRRGWKMALSGGLRCCRRVL SWVPVLVIVL VVLWSYYAYVFELCLVIYL ILYHAIFVFFTWYWKSIFTL  
 PQQPNQKFHL SYTDKERYENEERPEVQKQMLVDMAKKLPVYTRTGSGAVRFCDRCHLIKDRCHHCSVCA  
 MCVLKMDHHCWPWNNCIGFSNYKFLLQLFLAYSVLYCLYIATTVFSYFIKYWRGELPSVRSKFHVLFLLFV  
 ACMFFVSLVILFGYHCWLVSRNKTTLEAFCTPVFTSGPEKNGFNLFKIKNIQQVFGDKKKFWLPIIGSSP  
 GDGHSFPMRSMNESQNPLL ANEETWEDNEDDNDQYPEGSSSLAVETET

TRTRPLE - GFP Tag - V

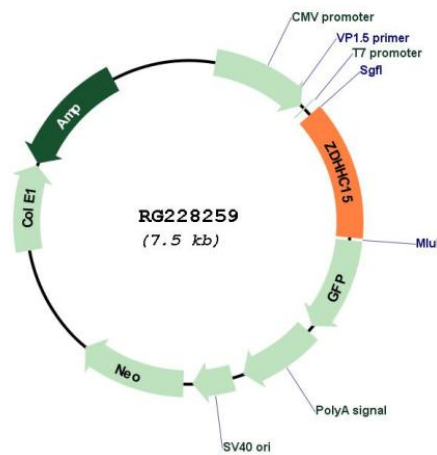
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001146256

**ORF Size:** 984 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_001146256.1</a> , <a href="#">NP_001139728.1</a>
<b>RefSeq Size:</b>	6030 bp
<b>RefSeq ORF:</b>	987 bp
<b>Locus ID:</b>	158866
<b>UniProt ID:</b>	<a href="#">Q96MV8</a>
<b>Cytogenetics:</b>	Xq13.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	The protein encoded by this gene belongs to the DHHC palmitoyltransferase family. Mutations in this gene are associated with mental retardatio X-linked type 91 (MRX91). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]