

## Product datasheet for **SC100027**

### ZDHHC15 (NM\_144969) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC15 (NM_144969) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDHHC15
Synonyms:	DHHC15; MRX91
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100027 sequence for NM_144969 edited (data generated by NextGen Sequencing)

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ATGCGGGCAGGCTGGAAGATGGCTCTGTCTGCGGGGCTGCGGTGCTGCCCGGGTACTG
TCCTGGGTGCCAGTGCTGTTATTGTCCTCGTCTGCTCTGGTCTACTATGCCTACGTC
TTTGAACCTCTGCCTGGTACTGTTTTGAGCCAGCAGAAAAAGTTATTTACCTCATACT
TACCATGCCATCTTTGTGTTCTTTACCTGGACCTACTGGAAGTCTATCTTTACACTCCCA
CAGCAGCCAAACCAGAAGTTCCACTTGCCTACACAGACAAGGAGCGCTATGAAAATGAA
GAAAGACCTGAGGTCCAGAAGCAGATGCTTGTGATATGGCCAAAAAGCTACCGTTTAC
ACAAGAACTGGAAGTGGAGCTGTACGATTCTGTGACCGGTGTCATCTGATCAAGCCAGAC
CGCTGCCACCACTGCTCTGTCTGTGCTATGTGTGTGTTAAAAATGGATCATCACTGCCCT
TGGGTTAATAACTGCATTGGATTTTCCAAC TACA AATTCTTCCTCAATTCTTAGCTTAC
TCTGTTCTCTACTGCCTGTACATTGCTACGACAGTCTTCAGTATTTTCATCAAATACTGG
AGAGGGGAATTACCCAGTGTTCGCTCTAAGTTCATGTCCTTTTTCTTCTTTGTGGCC
TGCATGTTTTTTGTCAGCCTTGTGATTCTTTGGTTACCATTGTTGGCTTGTGAGCAGA
AACAAAACCACCTTAGAGGCCTTCTGCACTCCAGTGTTTACAAGTGGCCAGAGAAAAAT
GGGTTCAACCTTGGCTTCATCAAGAATATCCAGCAGGTGTTTGGAGATAAGAAGAAGTTC
TGGTTAATACCTATTGGTTCCAGCCCTGGTGATGGACACTCCTCCCTATGAGGTCTATG
AATGAGTCACAGAACCCACTGCTAGCAAATGAAGAAACCTGGGAAGACAACGAGGATGAC
AACCAAGATTATCCAGAAGGCTCATCATCTCTTGCTGTGGAACGGAAACATAG

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Clone variation with respect to NM\_144969.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_144969 unedited AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCAGGGCGCACTCAGCAGC GCAGTCCCACAGGTGGCGAAGGCTCCGCGAGAGGGTCCCGCCAGGCTAGACAGTGGAGT GCCGCACAGCGCGCTCCAGCCTCGCAGCCGCCACCCTAGCGGTTCCGACCCGGCGCCA GCAGGCCCTGCTTGGTCGATCTTCGAGCCAAAGATGCGGCGAGGCTGGAAGATGGCTCTGT CTGGGGGGCTGCGGTGCTGCCCGGGTACTGTCTGGGTGCCAGTGTCTGTTATTGTCC TCGTGCTGCTCTGGTCTACTATGCCTACGTCTTTGAACCTGCCTGGTACTGTTTTGA GCCCAGCAGAAAAAGTTATTTACCTCATACTCTACCATGCCATCTTTGTGTTCTTTACCT GGACCTACTGGAAGTCTATCTTTACACTCCACAGCAGCCAAACCAGAAGTTCACCTTGT CCTACACAGACAAGGAGCGCTATGAAAATGAAGAAAGACCTGAGGTCCAGAAGCAGATGC TTGTTGATATGGCCAAAAAGCTACCGGTTTACACAAGAACTGGAAGTGGAGCTGTACGAT TCTGTGACCGGTGCATCTGATCAAGCCAGACCGCTGCCACCACTGCTCTGTCTGTGCTA NTGTGTGTGTTAAAAATGGATCATCACTGCCCTGGGTTAATAACTGCATTGGATTNTCC AACTACAAATTCTCCTTCAATTCTTAGCTTACTCTGTTCTCTACTGGCTGTACATTGCT ACGACAGTCTTCAGCTATTTTCATCAATACTGGAGAGGGNAATACNCAGTGNTCGCTCTA AGTCCATGTNCTTNTTCTCTTTGTGCCTGCATGTTTTTGCAGCCTGTGATCTCTTTG GTACCATGNTGGCTGTAGCAGACCAAACACTTAAGGCTCTCGACTCATGTTACAGTGGC AAGAAATG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_144969
<b>Insert Size:</b>	900 bp
<b>OTI Disclaimer:</b>	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).
<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_144969.1</a> , <a href="#">NP_659406.1</a>
<b>RefSeq Size:</b>	1782 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	158866
<b>UniProt ID:</b>	<a href="#">Q96MV8</a>
<b>Cytogenetics:</b>	Xq13.3
<b>Domains:</b>	zf-DHHC

**Protein Families:** Transmembrane

**Gene Summary:** 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]  
Transcript Variant: This variant (1) encodes the longest isoform (1). 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.