

## Product datasheet for SC117910

### Frizzled homolog 1 (FZD1) (NM\_003505) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Frizzled homolog 1 (FZD1) (NM_003505) Human Untagged Clone
Tag:	Tag Free
Symbol:	Frizzled homolog 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_003505 edited

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GAATTCGGCAGAGGCGCGCGGAGAAGGAGGCGAGGCGCAGGGGGAGCCGAGCCCG
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CCTGGCGGCTGGCATGAAGTGGGGCCACGAGGCCATCGAAGCCTCACAGTATTTTCA  
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 CAACGCCCAGACACTCCCTTCTCCACCTTAGTTGGTTACAGGGTGAGTGAGATAACCAA  
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 TTAACCTTTAAGAATTTATCAAATGCCGTAAGGACTAAATTTATCTATGTCTGT  
 CATACGCTAAAATGATATTGGTCTTTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAACTCGAC

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_003505 unedited  
 TGTATACGACTACTATAGGGCGGCCGCGATTTCGGCACGAGGCGGCGGCGGAGAAGAGCGG  
 GGCGCAGGGGAGCCGAGCCCGCTGGGCTGCGGAGAGTTGCGCTCTCTACGGGGCCGCGG  
 CCACTAGCGCGGCGCCGAGCCGGGAGCCAGCGAGCCGAGGGCCAGGAAGGCGGGACAC  
 GACCCCGCGCGCCCTAGCCACCCGGTTCTCCCGCCGCCCGCTTTCATGAATCGCAA  
 GTTTCGCGGCGGCGGCGGCTGCGGTACGCAGAACAGGAGCCGGGGAGCGGGCCGAAAG  
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 CGCCGGCCGTGCCCTGGCAGCCCGAGCGGCGGCCAAGAGAGGAGCCGAGAAAAGTA  
 TGGCTGAGGAGGAGCGCCTAAGAAGTCCCGGGCCGCGCGGTGGCGGAGCTGGGAAC  
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 AGTACAACGGCGAGCGGGCATCTNCGTCCCGGACCCGGCTATTGCCAGCCCATCTCCAT  
 CCCGCTGTGCACGACATCGCGTACACCAGACCATCATGCCAACCTGCTGGGCCACAGC  
 AACAGAGGACGCGGGCCTGGAGTGCACAGTTCTACCCTTANTGAAGTGCAGTGTTCGCT  
 GAN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_003505 unedited  
 ATCAGGTTTCATTTTACCNTATACAGGACTAGNTAAATTTACGGTCTAAGTACCGGCAT  
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 TTCTGTAATCCAAAAGAGGAGCACACAGATTATATCTTTAGACCTGCACACATTTTC  
 CCTTTAGCAAGCATGCCATATTTGTTTATTTTCAGGCGCTATCTCCCGTCAATTATTC  
 CACCTTCTTACCTCCTGAAATCTTACCAGTTATTATTGGTGGTGTGAATTGTTCCCCC  
 CTCAGAATGTGCTGCTGAATAAATCGTAATAAAATGTTGAAAGTGTACAACCTTTTACA  
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 GTGCCAAGCTTCCGATCCATTTAGAATTTACATTTTATAACCCATTATCTTCAGTCC  
 CTTTTCAACCCACACAAAGCTTAATGCTTTTTCCAAATCTCGATAACCACATTTTTTCC  
 TGAACCTGGGCAAACCCATACCAGGTTTATAACCCTTGGAAATGGTATGAGGCCTCCCCC  
 TTAAAAATTTAACTTCAAAAATTTGGCTATTGGTTATACACCTCCCCCTGTACCCACT  
 AAAGGTGTGAAAGGGAGAGTTCTGCGCCCTTAAACGGTTCGCGGTGAGGAGGGTCTAG  
 AATTGACCGGGCCCCGCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_003505

**Insert Size:**

4300 bp

**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).

**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).

<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_003505.1</a> , <a href="#">NP_003496.1</a>
<b>RefSeq Size:</b>	4350 bp
<b>RefSeq ORF:</b>	1944 bp
<b>Locus ID:</b>	8321
<b>UniProt ID:</b>	<a href="#">Q9UP38</a>
<b>Cytogenetics:</b>	7q21.13
<b>Domains:</b>	FRI, Frizzled
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Basal cell carcinoma, Colorectal cancer, Melanogenesis, Pathways in cancer, Wnt signaling pathway
<b>Gene Summary:</b>	Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD1 protein contains a signal peptide, a cysteine-rich domain in the N-terminal extracellular region, 7 transmembrane domains, and a C-terminal PDZ domain-binding motif. The FZD1 transcript is expressed in various tissues. [provided by RefSeq, Jul 2008]