

## Product datasheet for **SC327629**

### Frizzled 6 (FZD6) (NM\_001164616) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Frizzled 6 (FZD6) (NM_001164616) Human Untagged Clone
Tag:	Tag Free
Symbol:	Frizzled 6
Synonyms:	FZ-6; FZ6; HFZ6; NDNC1; NDNC10
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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<b>Fully Sequenced ORF:</b>	<p>&gt;NCBI ORF sequence for NM_001164616, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGAAATGGCCTACAACATGACGTTTTTCCCTAATCTGATGGGTCATTATGACCAGAGT ATTGCCGCGTGGAAATGGAGCATTCTTCTCTCGCAAATCTGGAATGTTACCAAAC ATTGAACTTTCTCTGCAAAGCATTGTACCAACCTGCATAGAACAATTCATGTGGTT CCACCTTGTGTAACCTTTGTGAGAAAGTATATTCTGATTGCAAAAAATTAATTGACACT TTTGGGATCCGATGGCCTGAGGAGCTTGAATGTGACAGATTACAATACTGTGATGAGACT GTTCTGTAACTTTTGATCCACACACAGAATTTCTTGGTCTCAGAAGAAAACAGAACA GTCCAAAGAGACATTGGATTTTGGTGTCCAAGGCATCTTAAGACTTCTGGGGACAAGGA TATAAGTTTCTGGGAATTGACCAGTGTGCGCTCCATGCCCAACATGATTTTTAAAGT GATGAGCTAGAGTTTGA AAAAGTTTTATTGGAACAGTTTCAATATTTTGTCTTTGTGCA ACTCTGTTACATTCTTACTTTTTTAATTGATGTTAGAAGATTCAGATACCCAGAGAGA CCAATTATATTA TACTCTGTCTGTTACAGCATTGTATCTTATGTA CTTCATTGGATTT TTGCTAGGCGATAGCACAGCCTGCAATAAGGCAGATGAGAAGCTAGA ACTGGTGACACT GTTGCTCCTAGGCTCTCAAAATAAGGCTTGACCCGTTTTGTTTCATGCTTTTGTATTTTTTC ACAATGGCTGGCACTGTGTGGTGGGTGATTCTTACCATTACTTGGTTCTTAGCTGCAGGA AGAAAAATGGAGTTGTGAAGCCATCGAGCAAAAAGCAGTGTGGTTTCATGCTGTTGCATGG GGAACACCAGGTTTCTGACTGTTATGCTTCTTGTATGAACAAAGTTGAAGGAGACAAC ATTAGTGGAGTTTGCTTTGTTGGCCTTTATGACCTGGATGCTTCTCGCTACTTTGTA CT TTGCCACTGTGCCTTTGTGTGTTGTTGGGCTCTCTCTCTTTTAGCTGGCATTATTTCC TTAAATCATGTTTCGACAAGTCATACAACATGATGGCCGGAACCAAGAAAACTAAAGAAA TTTATGATTGCAATTGGAGTCTTCAGCGCTTGTATCTTGTGCCATTAGTGACACTTCTC GGATGTTACGCTATGAGCAAGTGAACAGGATTACCTGGGAGATAA CTGGGTCTCTGAT CATTGTCGTGAGTACCATATCCCATGTCCTTATCAGGCAAAAGCAAAAGCTCGACCAGAA TTGGCTTTATTTATGATAAAATACCTGATGACATTAATTGTTGGCATCTCTGCTGTCTTC TGGGTTGGAAGCAAAAAGACATGCACAGAATGGGCTGGGTTTTTTAAACGAAATCGCAAG AGAGATCCAATCAGTGAAGTGAAGAGTACTACAGGAATCATGTGAGTTTTTCTTAAAG CACAATTCTAAAGTTAAACACAAAAAGAAGCACTATAACCAAGTTCACACAAGCTGAAG GTCATTTCCAAATCCATGGGAACCAGCACAGGAGCTACAGCAAAATCATGGCACTTCTGCA GTAGCAATTA TACTAGCCATGATTACCTAGGACAAGAACTTTGACAGAAAATCCAAACCTCA CCAGAAACATCAATGAGAGAGGTGAAAGCGGACGAGCTAGCACCCCAAGTTAAGAGAA CAGGACTGTGGTGAACCTGCCTGCCAGCAGCATCCATCTCCAGACTCTCTGGGGAACAG GTCGACGGGAAGGGCCAGGCAGGCA GTGTATCTGAAAGTGC GCGGAGTGAAGGAAGGATT AGTCCAAGAGTGATATTACTGACACTGGCCTGGCACAGAGCAACAATTTGCAGGTC CCC AGTTCTTCAGAACCAAGCAGCCTCAAAGTTCCACATCTCTGCTTGTTCACCCGGTTTCA GGAGTGAGAAAAGAGCAGGGAGGTGTTGTCATTCAGATACT </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001164616
<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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).

**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.

**RefSeq:** [NM\\_001164616.1](#), [NP\\_001158088.1](#)

**RefSeq Size:** 3691 bp

**RefSeq ORF:** 2025 bp

**Locus ID:** 8323

**UniProt ID:** [O60353](#)

**Cytogenetics:** 8q22.3

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Protein Pathways:** Basal cell carcinoma, Colorectal cancer, Melanogenesis, Pathways in cancer, Wnt signaling pathway

**Gene Summary:** This gene represents a member of the 'frizzled' gene family, which encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The protein encoded by this family member contains a signal peptide, a cysteine-rich domain in the N-terminal extracellular region, and seven transmembrane domains, but unlike other family members, this protein does not contain a C-terminal PDZ domain-binding motif. This protein functions as a negative regulator of the canonical Wnt/beta-catenin signaling cascade, thereby inhibiting the processes that trigger oncogenic transformation, cell proliferation, and inhibition of apoptosis. Alternative splicing results in multiple transcript variants, some of which do not encode a protein with a predicted signal peptide.[provided by RefSeq, Aug 2011]  
Transcript Variant: This variant (3) lacks a segment of the 5' UTR and 5' coding region, and uses a downstream translational start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a. 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.