

Product datasheet for **SC123539**

Frizzled 9 (FZD9) (BC026333) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frizzled 9 (FZD9) (BC026333) Human Untagged Clone
Tag:	Tag Free
Symbol:	Frizzled 9
Synonyms:	CD349; frizzled 9; frizzled homolog 9 (Drosophila); FZD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC026333 edited
TGGTTCAGCGCGGCTCCGGTGGCAGCGGCGGTGGCGGCTAGGCGGGCTCGGCGGCTCCT
GTCCCTCGGGCGGCTGCCCGCTCGCTGCCAGGGCGCCGGACACACGTGGGCGGCTCAG
CGATGGCCCGGCCCCGCGACGTGGCGGGCAGGCACCGGGGCGCGGGACCGCTGAGCCCA
AGTGAGCCGGGGCCGCTCCCGCTTCGGCCCGGGCTCCCGGATGGCCGTGGCGCT
GTGCGGGGGGCGCTGCTGCTGTGCAGCTGCTGGCGGGGCGGGCGGGCACTGGAGATC
GGCCGCTTCGACCCGGAGCGCGGGGCTGCGCCGTGCCAGGCGGTGGAGATCCCC
ATGTGCCCGGCATCGGCTACAACCTGACCCGCATGCCAACCTGCTGGGCCACACGTCCG
CAGGGCGAGGCGGCTGCCGAGCTAGCGGAGTTCGCGCCGCTGGTGCAGTACGGCTGCCAC
AGCCACCTGCGCTTCTTCTGTGCTCGCTCTACGCGCCATGTGCACCGACCAGGTCTCG
ACGCCCCATCCCGCTGCCGGCCATGTGCGAGCAGGCGCGCTGCGCTGCGCGCCATC
ATGGAGCAGTTCAACTTCGGCTGGCCGGACTCGCTCGACTGCGCCCGGCTGCCACGCGC
AACGACCCGCACGCGCTGTGCATGGAGGCGCCGAGAACGCCACGGCCGGCCCCGCGGAG
CCCCACAAGGGCTGGGCATGCTGCCCGTGGCGCCGCGGCCCGCGCCCTCCCGGAGAC
CTGGGCCCGGGCGGGCGGCAGTGGCACCTGCGAGAACCGCAGAGAAGTCCAGTACGTG
GAGAAGAGCCGCTCGTGGCACCAGCGCTGCGGGCCCGGCGTGCAGGTGTTCTGGTCCCGG
CGCGACAAGGACTTCGCGCTGGTCTGGATGGCCGTGTGGTTCGGCGCTGTGCTTCTTCC
ACCGCCTTCACTGTGCTCACCTTCTTGCTGGAGCCCCACCGCTTCCAGTACCCCGAGCGC
CCCATCATCTTCTCTCCATGTGCTACAACGTCTACTCGCTGGCCTTCTGATCCGTGCG
GTGGCCGAGCGCAGAGCGTGGCCTGTGACCAGGAGGCGGGCGCGCTCTACGTGATCCAG
GAGGGCTGGAGAACACGGGCTGCACGCTGGTCTTCTACTGCTACTACTTTCGGCATG
GCCAGCTCGCTGTTGGTGGTGGTCTGACGCTCACCTGGTTCCTGGCTGCCGGGAAGAAA
TGGGGCCACGAGGCCATCGAGGCCACGGCAGCTATTTCCACATGGCTGCCTGGGCGCTG
CCCGCGCTCAAGACCATCGTCATCCTGACCTGCGCAAGGTGGCGGGTGTGAGCTGACT
GGGCTTTGCTACGTGGCCAGCACGGATGCAGCAGCGCTCACGGGCTTCGTGCTGGTGCC
CTCTCTGGCTACCTGGTCTGGGAGTAGTTTCTCTGACCGGCTTCGTGGCCCTTTC
CACATCCGAAGATCATGAAGACGGGCGGCACCAACACAGAGAAGCTGGAGAAGCTCATG
GTCAAGGTCGGGGTCTTCTCCATCCTCTACACGGTGGCCGCCACCTGCGTCATCGTTTGC
TATGTCTACGAACGCCTCAACATGGACTTCTGGCGCTTCGGGCCACAGAGCAGCCATGC
GCAGCGGCCGCGGGGCCGGAGGCGGAGGACTGCTCGCTGCCAGGGGGCTCGGTGCC
ACCGTGGCGGTTCATGCTCAAAATTTTCATGTCACTGGTGGTGGGGATCACCAACGGC
GTCTGGGTGTGGAGCTCCAAGACTTTCAGACCTGGCAGAGCCTGTGCTACCGCAAGATA
GCAGCTGGCCGGGCCCGGGCCAAGGCCTGCCACGCCCCCGGGAGCTACGGACGTGGCAGC
CACTGCCACTATAAGGCTCCCACCGTGGTCTTGCACATGACTAAGACGGACCCCTCTTTG
GAGAACCCACACACCTTAGCCACACAGGCTGGCGCGGGGTGGCTGCTGCCCCCTCT
TGCCCTCCACGCCCTGCCCTGCATCCCCTAGAGACAGCTGACTAGCAGCTGCCAGCT
GTCAAGGTCAGGCAAGTGAACCGGGGACTGAGGATCAGGGCGGGACCCCGTGAAGGTC
ATTAGGGGAGATGGGGTCTCCCTAATGCGGGGGTGGACCAGGCTGAGTCCCCACAGG
GTCCTAGTGGAGGATGTGGAGGGCGGGGCGAGGGGTCCAGCCGGAGTTTATTTAATGA
TGTAATTTATTGTTCCTCTGGAAGCTGTGACTGGAATAAACCCCCGCGTGCCAAA
AAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC026333 unedited NGGGATTCATTTGTATACCATACTTAGGCGCCCTAACTTCTATACATACATTATACAATT ATGATCAGCCAACCGGCCGAGCTCGAATTCGTCGAGAGCGGTGGTTCAGCGGGCGGCTCCG GTGGCAGCGGGCGGTGGCGGCTAGGCGGGCTCGGCGGCTCCTGTCCCTCGGGCGGCTGCC GCTCGTGCCAGGGCGCCGGACACACGTGGCGGCTCAGCGATGGCCCGGCCCGCG ACGTGGCGGGCAGGCACCGGGGCGGGACCGCTGAGCCCAAGTGAGCCGGGGCCGCGCT CCGCCTTCGGCCCGGGCTCCCGGGATGGCCGTGGCGCCTCTGCGGGGGCGCTGCTGC TGTGGCAGCTGCTGGCGGCGGGCGCGCACTGGAGATCGGCCGCTTCGACCCGGAGC GCGGGCGCGGGGCTGCGCCGTGCCAGGCGGTGGAGATCCCCATGTGCCGCGGCATCGGCT ACAACCTGACCCGCATGCCAACCTGCTGGGCCACACGTCGAGGGCGAGGCGGCTGCCG AGTAGCGGAGTTCGCGCCGCTGGTGCAGTACGGCTGCCACAGCCACCTGCGCTTCTTCC TGTGCTCGCTCTACGCGCCATGTGCACCGACCAGGTCTCGACGCCATTCCCGCTGCC GGCCATGTGCGAGCAGGCGCGCTGCGCTGCGCGCCATCATGGAGCAGTTCAACTTCG GCTGGGCCGAATCGCTGACTGCGCCCGGCTGCCAAGCGCAACGACCCGGACGCGCTGT GCATGGAAGCGCCGAAAACCCACCGCGGCCCGGGGACCCCAAGGCCTGGGCATG CTGCCCGTGGCGCGGGCCCGGGCCCTCCCGAACCTG
Restriction Sites:	Please inquire
ACCN:	BC026333
Insert Size:	2352 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).
Reconstitution Method:	<ol style="list-style-type: none"> 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:	BC026333.1 , AAH26333.1
RefSeq Size:	2352 bp
RefSeq ORF:	1773 bp
Locus ID:	8326
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Basal cell carcinoma, Colorectal cancer, Melanogenesis, Pathways in cancer, Wnt signaling pathway

Gene Summary:

Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD9 gene is located within the Williams syndrome common deletion region of chromosome 7, and heterozygous deletion of the FZD9 gene may contribute to the Williams syndrome phenotype. FZD9 is expressed predominantly in brain, testis, eye, skeletal muscle, and kidney. [provided by RefSeq, Jul 2008]