

Product datasheet for SC122259

Frizzled 7 (FZD7) (BC015915) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frizzled 7 (FZD7) (BC015915) Human Untagged Clone
Tag:	Tag Free
Symbol:	Frizzled 7
Synonyms:	Frizzled, drosophila, homolog of, 7; frizzled 7; frizzled homolog 7 (Drosophila); FzE3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003507 edited
 ACTCGCGCCGGCGATGCGGGACCCCGCGCGCCGCTCCGCTTTCGTCCTGGGCCTCT
 GTGCCCTGGTGTGCGCGTGTGGCGCACTGTCCGCGGGCGCCGGGGCGCAGCCGTACC
 ACGGAGAGAAGGCATCTCCGTGCCGGACCACGGCTTCTGCCAGCCATCTCCATCCCGC
 TGTGCACGGACATCGCCTACAACCAGACCATCCTGCCAACCTGTGGGCCACACGAACC
 AAGAGGACCGGGCCTCGAGGTGACCAAGTTCTACCCGCTGGTGAAGGTGCAAGTTCTC
 CCGAACTCCGCTTTTTCTATGCTCCATGTATGCGCCCGTGTGCACCGTGTCTCGATCAGG
 CCATCCCGCCGTGTGTTCTCTGTGCGAGCGGCCCGCCAGGGCTGCGAGGGCTCATGA
 ACAAGTTCGGCTTCCAGTGGCCGAGCGGCTGCGCTGCGAGAACTCCCGGTGCACGGT
 CGGGCGAGATCTGCGTGGGCCAGAACACGTCCGACGGCTCCGGGGGCCAGGGCGGGCC
 CCACTGCCTACCCTACCGCGCCCTACCTGCCGGACCTGCCCTTACCAGCGCTGCCCGGG
 GGGCCTCAGATGGCAGGGGGCGTCCCGCCTTCCCTTCTCATGCCCCCGTCAGTCAAGG
 TGCCCCGTACCTGGGCTACCGCTTCTGGGTGAGCGCGATTGTGGCGCCCCGTGCGAAC
 CGGGCCGTGCCAACGGCCTGATGTACTTTAAGGAGGAGGAGAGGCGCTTCGCCCCCTCT
 GGGTGGCGGTGTGGTCCGTGCTGTGCTGCGCCTCGACGCTCTTTACCGTTCTCACCTACC
 TGGTGGACATGCGGCGCTTACGTACCCAGAGCGGCCATCATCTTCTGTGGGCTGTCT
 ACTTCATGGTGGCCGTGGCGCACGTGGCCGGCTTCTTCTAGAGGACCGCGCCGTGTGCG
 TGGAGCGCTTCTCGGACGATGGTACCCGACGGTGGCGCAGGGCACCAGAAGGAGGGCT
 GCACCATCCTCTCATGGTGTCTACTTCTTCCGATGGCCAGCTCCATCTGGTGGGTCA
 TTCTGTCTCACTTGGTTCCTGGCGCCGCGCATGAAGTGGGGCCACGAGGCCATCGAGG
 CCAACTCGCAGTACTTCCACCTGGCCGCGTGGGCCGTGCCCGCCGTCAAGACCATCACTA
 TCCTGGCCATGGGCCAGGTAGACGGGGACCTGCTGAGCGGGGTGTGCTACGTTGGCCTCT
 CCAGTGTGGACGCGCTGCGGGGCTTCGTGCTGGCGCCTCTGTTGCTACCTTTCATAG
 GCACGTCCTTCTGCTGGCCGGCTTCGTGTCCCTTCCCGTATCCGCACCATCATGAAAC
 ACGACGGACCAAGACCGAGAAGCTGGAGAAGCTCATGGTGGCGCATCGGGCTTTCAGCG
 TGCTCTACACAGTCCCCGCCACCATCGTCTGGCCTGCTACTTCTACGAGCAGGCCTTCC
 GCGAGCACTGGGAGCGCACCTGGCTCCTGCAGACGTGCAAGACTATGCCGTGCCCTGCC



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CGCCCGGCCACTTCCCGCCCATGAGCCCCGACTTCACCGTCTTCATGATCAAGTACCTGA
 TGACCATGATCGTCGGCATCACCCTGGCTTCTGGATCTGGTCGGGAAGACCCTGCAGT
 CGTGGCGCCGCTTCTACCACAGACTTAGCCACAGCAGCAAGGGGGAGACTGCGGTATGAG
 CCCCAGCCCTCCACCTTTCCACCCAGCCCTCTTGAAGAGGAGAGGCACGGTAGG
 GAAAAGAACTGCTGGGTGGGGCCTGTTTCTGTAACCTTCTCCCCTCTACTGAGAAGTG
 ACCTGGAAGTGAAGTTTTTTCAGATTTGGGGCAGGGGTGATTTGGAAAAGAAGACC
 TGTGTGAAAGCGGTTTGGATGAAAAGATTTTCAGGCAAAGACTTGCAGGAAGATGATGAT
 AACGGCGATGTGAATCGTCAAAGGTACGGGCCAGCTTGTGCCTAATAGAAGGTTGAGACC
 AGCAGAGACTGCTGTGAGTTTCTCCCGCTCCGAGGCTGAACGGGGACTGTGAGCGATCC
 CCCTGCTGCAGGGCGAGTGGCTGTCCAGACCCCTGTGAGGCCCGGGAAAGGTACAGCC
 CTGTCTGCGGTGGCTGCTTTGTTGAAAGAGGGAGGGCCCTCCTGCGGTGTGCTTGTCAAG
 CAGTGGTCAAACCATAATCTCTTTTCACTGGGGCCAACTGGAGCCAGATGGGTAAATT
 TCCAGGGTCAACATTACGGTCTCTCTCCCTGCCCTCCCGCTGTTTTTCTCCCG
 TACTGCTTTCAGGTCTTGTAAAATAAGCATTGGAAGTCTTGGGAGGCTGCCTGCTAGA
 ATCCTAATGTGAGGATGAAAAGAAATGATGATAACATTTTGGATAAAGCCAAGGAGAC
 GTGGAGTAGGTATTTTTGCTACTTTTTTCAATTTCTGGGGAAGGCAGGAGGCAGAAAGACC
 GGTGTTTTATTTGGTCTAATACCCTGAAAAGAAGTGTGACTTGTGCTTTTCAAACAG
 GAATGCATTTTTCCCTTGTCTTTGTTGTAAGAGACAAAAGAGGAAACAAAAGTGTCTCC
 CTGTGGAAGGCATAACTGTGACGAAAGCAACTTTATAGGCAAAGCAGCGCAAATCTGA
 GGTTCCTCGTTGGTTGTTAATTTGGTTGAGATAAACATTCCTTTTTAAGGAAAAGTGAAG
 AGCAGTGTGCTGTACACACCGTTAAGCCAGAGTTCTGACTTCGCTAAAGGAAATGTAA
 GAGGTTTTGTTGTCTGTTTTAAATAAATTAATTCGGAACACATGATCCAACAGACTATG
 TTAAAATATTCAGGGAATCTCTCCCTTCACTTTTCTTTTCTTGTATAAGCCTATATTT
 AGGTTTTCTTTTCTATTTTTTCTCCCTTTGGATCCTTTGAGGTAAAAAACATAATGTC
 TTCAGCCTCATAATAAAGGAAAGTTAATTAATAAAAAAAAAAGCAAAGAAAAAAAAAAAAA
 AAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC015915 unedited
 AAAGAAGCTCGGTTTTGTAACCGACTTACTTNGGGCGGCGCATTTCGGCAGGAGAC
 TCGCGCCCGCGATGCGGGACCCGGCGGCGCCCTCCGCTTTCGTCCCTGGGCCTCTGT
 GCCCTGGTGTGCGCTGCTGGGCGCACTGTCCGCGGGCCCGGGCGCAGCCGTACCAC
 GGAGAGAAGGCACTCCTCGTGCCGGACCACGGCTTCTGCCAGCCATCTCCATCCCGCTG
 TGCACGGACATCGCTACAACCAGACCATCCTGCCAACCTGCTGGGCCACACGAACAA
 GAGGACGCGGGCCTCGAGGTGCACCAGTTCTACCCGCTGGTGAAGGTGCAGTGTCTCCC
 GAACTCCGCTTTTTCTTATGCTCCATGTATGCGCCGTGTGCACCGTCTCGATCAGGCC
 ATCCCGCGTGTCTTCTGTGCGAGCGCGCCCGCCAGGGCTGCGAGGCGCTCATGAAC
 AAGTTCGGCTTCCAGTGGCCGAGCGGCTGCGCTGCGAGAACTTCCCGGTGCACGGTGC
 GCGGAGATCTGCGTGGCCAGAACAGTCCGACGCTCCGGGGGCCATGCGGCGGCCCC
 ACTGCCTACCCTACCGCGCCTACTGCGGACCTGCCCTTACCAGCGCTGCCCCCGGGG
 GCCTCAGATGGCAGGGGGCGTCCCGCTTCCCCTTCTCATGCCCCGTCAGCTCAAGGTG
 CCCCCGTACCTGGGTACCGCTTCTGGGTGAGCGGATTGTGGCGCCCCGTGCGAACCG
 GGCCGTGCCAACGGCCTGATGTACTTTAAGGAGGAGAGAGGCGCTTCGGCCGCTCTGG
 TGGGGCGTGTGGTCCCGTGTGTGCTGCGCCCTCGACGCTCTTTACCA

Restriction Sites:

Please inquire

ACCN:

BC015915

Insert Size:

3100 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:	BC015915.1 , AAH15915.1
RefSeq Size:	3067 bp
RefSeq ORF:	1722 bp
Locus ID:	8324
Cytogenetics:	2q33.1
Protein Families:	Druggable Genome, 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 FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz family members, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif. FZD7 gene expression may downregulate APC function and enhance beta-catenin-mediated signals in poorly differentiated human esophageal carcinomas. [provided by RefSeq, Jul 2008]