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Product datasheet for RC222311

Frizzled 8 (FZD8) (NM_031866) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frizzled 8 (FZD8) (NM_031866) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Frizzled 8
Synonyms:	FZ-8; hFZ8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC222311 representing NM_031866
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTGGGGTTACCTGTTGGAAGTGACCTCGCTGCTGGCCGCCTTGGCGCTGCTGCAGCGCTCTAGCG
GCGCTGCGGCCGCCTCGGCCAAGGAGCTGGCATGCCAAGAGATCACCGTGCCGCTGTGTAAGGGCATCGG
CTACAACTACACCTACATGCCCAATCAGTTCAACCACGACACGCAAGACGAGGCGGGCCTGGAGGTGCAC
CAGTTCTGGCCGCTGGTGGAGATCCAGTGCTCGCCCGATCTCAAGTTCTTCCTGTGCAGCATGTACACGC
CCATCTGCCTAGAGGACTACAAGAAGCCGCTGCCGCCCTGCCGCTCGGTGTGCGAGCGCGCCAAGGCCGG
CTGCGCGCCGCTCATGCGCCAGTACGGCTTCGCCTGGCCCGACCGCATGCGCTGCGACCGGCTGCCCGAG
CAAGGCAACCCTGACACGCTGTGCATGGACTACAACCGCACCGACCTAACCACCGCCGCGCCCAGCCCGC
CGCGCCGCCTGCCGCCGCCGCCGCCCGGCGAGCAGCCGCCTTCGGGCAGCGGCCACGGCCGCCCGCCGGG
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GGCGGCGGCGGTGGCGGGAAGGCGCGGCCCCCTGGCGGCGGCGCGGCTCCCTGCGAGCCCGGGTGCCAGT
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CGCTAACTGCGCGCTGCCCTGCCACAACCCCTTTTTCAGCCAGGACGAGCGCGCCTTCACCGTCTTCTGG
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CCTAGTGCGCCTGGTGGCGGGCCACGAGAAGGTGGCGTGCAGCGGTGGCGCGCCGGGCGCGGGGGGCGCT
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GCGAGTACGAGGAGCTGGGCGCGGTGGAGCAGCACGTGCGCTACGAGACCACCGGCCCCGCGCTGTGCAC
CGTGGTCTTCTTGCTGGTCTACTTCTTCGGCATGGCCAGCTCCATCTGGTGGGTGATCTTGTCGCTCACA
TGGTTCCTGGCGGCCGGTATGAAGTGGGGCAACGAAGCCATCGCCGGCTACTCGCAGTACTTCCACCTGG
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TCAAGCAACAGGACGGCCCCACCAAGACGCACAAGCTGGAGAAGCTGATGATCCGCCTGGGCCTGTTCAC
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CAAGACGCTGGAGTCCTGGCGCTCCCTGTGCACCCGCTGCTGCTGGGCCAGCAAGGGCGCCGCGGTGGGC
GGGGGCGCGGGCGCCACGGCCGCGGGGGGTGGCGGCGGGCCGGGGGGCGGCGGCGGCGGGGGACCCGGCG
GCGGCGGGGGGCCGGGCGGCGGCGGGGGCTCCCTCTACAGCGACGTCAGCACTGGCCTGACGTGGCGGTC
GGGCACGGCGAGCTCCGTGTCTTATCCAAAGCAGATGCCATTGTCCCAGGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222311 representing NM_031866
Red=Cloning site Green=Tags(s)

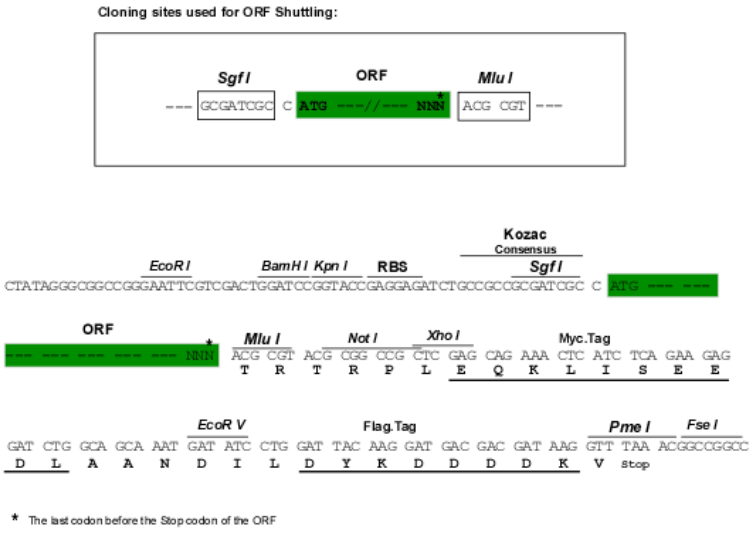
MEWGYLLEVTSLLAALALLQRSSGAAAASAKELACQEITVPLCKGIGYNYTYMPNQFNHDTQDEAGLEVH
QFWPLVEIQCSPDLKFFLCSMYTPICLEDYKKPLPPCRSVCERAKAGCAPLMRQYGFAWPDRMRCDRLPE
QGNPDTLCMDYNRTDLTTAAPSPPRRLPPPPPGEQPPSGSGHGRPPGARPPHRXGGRGGGGGDAAAPPAR
GGGGGGKARPPGGGAAPCEPGCQCRAPMVSVSSERHPLYNRVKTGQIANCALPCHNPFFSQDERAFTVFW
IGLWSVLCFVSTFATVSTFLIDMERFKYPERPIIFLSACYLFVSVGYLVRLVAGHEKVACSGGAPGAGGA
GGAGGAAAGAGAAGAGAGGPGGRGEYEELGAVEQHVRYETTGPALCTVVFLLVYFFGMASSIWWVILSLT
WFLAAGMKWGNEAIAGYSQYFHLAAWLVPSVKSIAVLALSSVDGDPVAGICYVGNQSLDNLRGFVLAPLV
IYLFIGTMFLLAGFVSXFRIRSVIKQQDGPTKTHKLEKLMIRLGLFTVLYTVPAAVVVACLFYEQHNRPR
WEATHNCPCLRDLQPDQARRPDYAVFMLKYFMCLVVGITSGVWVWSGKTLESWRSLCTRCCWASKGAAVG
GGAGATAAGGGGGPGGGGGGGPGGGGGPGGGGGSLYSDVSTGLTWRSGTASSVSYPKQMPLSQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4512_g11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031866

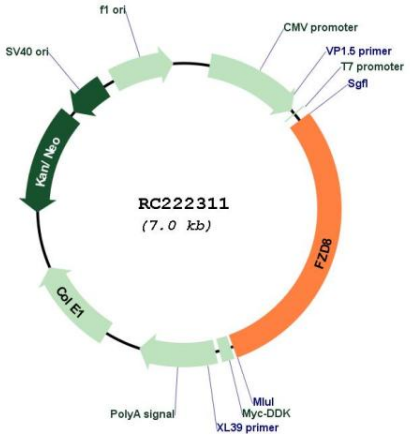
ORF Size: 2082 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	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_031866.2
RefSeq Size:	3195 bp
RefSeq ORF:	2085 bp
Locus ID:	8325
UniProt ID:	Q9H461
Cytogenetics:	10p11.21
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Basal cell carcinoma, Colorectal cancer, Melanogenesis, Pathways in cancer, Wnt signaling pathway
MW:	73.1 kDa
Gene Summary:	This intronless gene is a member of the frizzled gene family. Members of this family encode seven-transmembrane domain proteins that are receptors for the Wingless type MMTV integration site family of signaling proteins. Most frizzled receptors are coupled to the beta-catenin canonical signaling pathway. This gene is highly expressed in two human cancer cell lines, indicating that it may play a role in several types of cancer. The crystal structure of the extracellular cysteine-rich domain of a similar mouse protein has been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222311