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Product datasheet for MC203551

Fzd2 (NM_020510) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fzd2 (NM_020510) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fzd2
Synonyms:	AL033370; AW456835; Fz10; Fzd10; Mfz10; Mfz10a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC055727
TGGGGAGAGGGGAAGCCCAGAGGCTAGAGGAGGAAGAGGAGCTAGGGCAGCGGTGCGCCGCGTCTCCGAC
CCTCAGTCCGACCGCGGCGAGCCAGCAGGCGGGTGCGCCGCCCCCTCCCCCGCCGCCCAATCTCCCCAAC
TCTGCGGCCGCGAGCAAAGTTTGCAAGGAGACGCGGGAGGCGGCCGGGCAGCTAGGCGGCAGCGGGGAAG
GCGCGCGGTCTCTGGGTTGGGGGCGGGGGCTGGGGGGCGCCCAGGAGCCGAGTGGGGGGCGGCGGCCAGC
ATGCGGGCCCGCAGCGCCCTGCCCCGCAGCGCCCTGCCCCGCCTGCTGCTGCCACTGCTGCTGCTGCCGG
CCGCCGGACCGGCCCAGTTCCACGGGGAGAAGGGCATCTCCATCCCGGACCACGGCTTCTGCCAGCCCAT
CTCCATCCCGCTGTGCACGGACATCGCCTACAACCAGACCATCATGCCCAACCTTCTTGGCCACACGAAC
CAGGAAGACGCGGGCCTGGAGGTGCATCAGTTCTACCCGCTGGTGAAGGTGCAGTGCTCGCCCGAGCTGC
GCTTCTTCCTGTGCTCCATGTACGCGCCGGTGTGCACAGTGCTGGAGCAGGCCATCCCGCCGTGCCGCTC
CATCTGCGAGCGCGCGCGCCAAGGCTGCGAGGCGCTCATGAACAAGTTCGGCTTCCAATGGCCCGAGCGC
CTCCGCTGCGAGCATTTCCCGCGTCACGGCGCGGAGCAGATCTGCGTGGGCCAGAACCACTCGGAGGACG
GAGCTCCTGCGCTACTCACCACCGCGCCACCTTCTGGGCTGCAGCCCGGCGCGGGTGGCACCCCGGGCGG
CCCTGGCGGTGGTGGCTCGCCACCGCGTTACGCCACTCTGGAGCACCCTTTCCACTGTCCCCGCGTCCTC
AAGGTGCCGTCCTATCTCAGCTATAAGTTTCTGGGTGAGCGCGATTGTGCCGCGCCCTGCGAGCCCGCAC
GGCCCGACGGCTCTATGTTCTTCTCGCAAGAGGAGACTCGTTTTGCCCGTCTCTGGATCCTCACATGGTC
GGTGTTGTGCTGCGCTTCCACTTTCTTCACGGTCACCACCTATTTAGTGGACATGCAGCGATTTCGCTAC
CCAGAGCGGCCCATCATCTTTCTGTCCGGCTGCTACACCATGGTGTCAGTGGCCTACATTGCGGGCTTCG
TTCTCCAGGAGCGCGTGGTATGCAATGAGCGCTTCTCAGAGGACGGTTATCGCACGGTGGTGCAGGGCAC
TAAGAAAGAAGGCTGCACTATACTCTTCATGATGCTCTACTTCTTCAGCATGGCCAGCTCCATCTGGTGG
GTGATTCTGTCCCTCACCTGGTTCCTGGCAGCCGGAATGAAGTGGGGCCACGAGGCCATCGAGGCCAATT
CGCAGTACTTCCACCTGGCCGCCTGGGCCGTGCCGGCCGTCAAAACCATCACCATCTTGGCCATGGGCCA
GATCGACGGCGACCTGCTGAGCGGCGTGTGCTTCGTGGGCCTCAATAGCCTGGACCCGCTGCGGGGCTTC
GTGCTGGCGCCGCTCTTCGTATACCTGTTCATCGGTACATCCTTCCTGCTGGCCGGCTTCGTGTCACTCT
TCCGCATCCGCACCATCATGAAGCACGACGGCACCAAGACGGAGAAGCTGGAGAGGCTCATGGTGCGCAT
TGGCGTCTTCTCGGTGCTCTACACGGTACCGGCCACCATCGTCATCGCCTGCTACTTCTATGAGCAGGCC
TTCCGCGAGCACTGGGAGCGCTCCTGGGTAAGCCAGCACTGCAAGAGCCTAGCCATCCCCTGCCCGGCCC
ACTACACGCCCCGCATGTCGCCCGACTTCACAGTCTACATGATCAAATACCTCATGACGCTCATCGTGGG
CATCACGTCGGGCTTCTGGATCTGGTCCGGCAAGACACTGCACTCGTGGAGGAAGTTCTACACTCGTCTC
ACCAACAGCCGGCATGGCGAGACCACTGTGTGAAGCGGTCTCGCCTGCCTGCCGGGCTTTCCCCTCTCCC
AGGTCCGGACTGCACCGTGCCCTCCTTCACTCAGGAGGGGGGAGGGTGCACCCTACGGACTCCTATTTTA
TTTTTTTAAATAAAGAACGGTAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_020510

Insert Size: 1713 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:	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:	BC055727, AAH55727
RefSeq Size:	2150 bp
RefSeq ORF:	1713 bp
Locus ID:	57265
UniProt ID:	Q9JIP6
Cytogenetics:	11 E1
Gene Summary:	Receptor for Wnt proteins. Most of frizzled receptors are coupled to the beta-catenin canonical signaling pathway, which leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes. A second signaling pathway involving PKC and calcium fluxes has been seen for some family members, but it is not yet clear if it represents a distinct pathway or if it can be integrated in the canonical pathway, as PKC seems to be required for Wnt-mediated inactivation of GSK-3 kinase. Both pathways seem to involve interactions with G-proteins. May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues.[UniProtKB/Swiss-Prot Function]