

Product datasheet for MC204555

Fzd6 (NM_008056) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fzd6 (NM_008056) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fzd6
Synonyms:	Fz6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC026150
 CCACGCGTCCGCCGAAAGCTCGCCCCGGCTGTCTGGGGTGGCGGGGCCGCGGACGCCGAGGGACAGCCA
 CCTTCTCTGCCGCCGAGGTGAGGCGTCCCCGCCGACGGGGGGGGCGGCAGCGGCCGGATCGGAG
 CCGCAGCAGTTGCCCCAGAATTCATTTTCAGGAAACAGCTTCTATCAAAAATGGTACAAAGAATGCAATGA
 GGAATTTGTACATTTTATCTCTGATTTGAGAATCTTTTTGATGCGGAAAGGAGCATAAGAATAATCCAAG
 CCATGTGGTAAAAATCGGAGTCTGGCAAGATGAAAGGTCCCCGTTTCTGTTGGCGTGCAATCTTCTGCC
 CTCGTAAGAGGACACAGCCTTTTACCTGTGAGCCAATCACCGTCCCAGATGTATGAAAATGACTTACA
 ACATGACGTTCTCCCTAACCTGATGGGTCAATGACCAGGGGATCGTGTGTGAAATGGGGCACTT
 TCTGCATCTTGCAAACTAGAATGTTCCACAAACATTGAAATGTTCTTTGCCAAGCTTTTATACCAACC
 TGCACAGAGCAAATTCATGTAGTTCTACCTGTGCGAAATGTGTGAGAAAATAGTTTCTGATTGCAAAA
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 CACTGTTCTGTAACCTCTCATCCACACAGAGCTTTCTGGGCCACAGAAGAAATCAGATCAAGTCCCA
 AGAGACATTGGATTTTGGTGTCCAAAGCACCTTAGGACTTCCGGGGACCAAGGCTATAGGTTTCTGGAA
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TTTTCTTTGTATAAAAAAAAAAAAAAAAAA
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Restriction Sites:

RsrII-NotI

ACCN:

NM_008056

Insert Size:

2130 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: [BC026150](#), [AAH26150](#)

RefSeq Size: 4089 bp

RefSeq ORF: 2130 bp

Locus ID: 14368

UniProt ID: [Q61089](#)

Cytogenetics: 15 15.22 cM

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. Activation by Wnt5A stimulates PKC activity via a G-protein-dependent mechanism. Involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues (By similarity). Together with FZD3, is involved in the neural tube closure and plays a role in the regulation of the establishment of planar cell polarity (PCP), particularly in the orientation of asymmetric bundles of stereocilia on the apical faces of a subset of auditory and vestibular sensory cells located in the inner ear.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.