

Product datasheet for **MC202423**

Fzd7 (NM_008057) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fzd7 (NM_008057) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fzd7
Synonyms: Fz7
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC063077 sequence for NM_008057
GGCGGGCGGTGCTGGACGCGGAGAGTCGCGGGCCGGGAGGACTCTCATGCGCCGGGCGGGCGGGCGCCTC
CCTGTATCCAAGCCTCTCCCAGCGCTCGTCTTTTCCCTCCAGCTGAGAACGCCGTGCACTCGCGACC
GGCGATGCGGGGCCCCGGCACGGCGCGTCGCACTCGCCCTGGGCTCTGCGCCCTGGTCTTGCTCTT
CTGTGCGCGCTGCCACGGACACCCGGGCTCAGCCATATCACGGCGAGAAAGGCATCTCGGTACCGGACC
ACGGCTTCTGCCAGCCATCTCCATCCCCTTGTGCACGGATATCGCTACAACCAGACCATCCTGCCAA
CCTGCTGGGCCACACGAACCAAGAGGACGCGGGCTCGAGGTGCACCAAGTCTACCTCTGGTAAAGGTG
CAGTGTCTCCTGAGCTACGCTTCTTATGCTCTATGTACGCACCCGTGTGCACCGTGTGACCAAG
CCATTCTCCGTGCCGTTCTTGTGCGAGCGGCCGACAGGGCTGCGAGGCGCTCATGAACAAGTTCGG
CTTCCAGTGGCCAGAGCGGTTGCGCTGCGAGAACTTCCCAGTGCACGGTCCGGGCGAGATCTGCGTGGG
CAGAACACGTCCGACGGCTCCGGGGCGGGGCGGCGAGTCCCACCGCCTACCCTACTGCTCCCTACCTGC
CAGACCCACCTTCACTGCGATGTCCTCCAGATGGCAGAGGCCGCTTGTCTTCCCTTCTCGTGTCC
GCGCCAGCTCAAGGTGCCCCCTACCTGGGCTACCGCTTCTAGGTGAGCGTGACTGCGGTGCCCGGTG
GAGCCGGGCGGTGCTAACGGCCTCATGACTTTAAAGAAGAGGAGAGACGGTTCGCCCGCCTCTGGGTGG
GTGTGTGGTCAGTGTGTGTGCGCCTCGACGCTTTCACGGTGTCACTACCTAGTGGACATGCGTGC
CTTCAGCTATCCAGAGCGACCCATCATCTTCTGTGCGGTTGCTACTTTCATGGTGGCAGTGGCGCACGTG
GCAGGCTTCTGCTAGAGGACCGTGCCTGTGCGTGGAGCGCTTCTCGGACGATGGCTACCGCACGGTGG
CGCAGGGCACCAAGAAGGAGGGCTGCACCATCTTTCATGGTGTCTTACTTCTTCGGTATGGCCAGCTC
CATCTGGTGGTCACTTCTGCCCTCACTTGGTTCCTGGCAGCTGGCATGAAGTGGGGCCACGAGGCCATC
GAGGCCAACTCGCAGTACTTTCATCTGGCCGCGTGGGCTGTGCCAGCGTCAAGACAATCACCATTTTGG
CCATGGGCCAGGTGGATGGTGACCTACTCAGTGGAGTGTGCTACGTGGGCTGTCTAGTGTGGATGCATT
GCGGGGCTTCGTGCTGGCGCCCTTGTTCGCTACTCTTTCATCGGACGTCCTTCTGTTGGCCGCTTT
GTGTCTCTTTTCGATCCGCACCATCATGAAGCACGACGGCACCAAGACAGAGAAGCTGGAGAAGCTGA
TGGTGGCATCGGCGTCTTACGCGTCTACACGGTGGCGCCACCATCGTGTGGCCTGCTACTTTTA
TGAGCAGGCTTCCGAGAGCACTGGGAACGCACCTGGCTCCTGCAGACTTGAAGAGCTACGCTGTGCC
TGCCCTCCGGCCACTTCTCTCCATGAGCCCCGACTTTACAGTCTTTCATGATCAAGTACCTGATGACCA
TGATCGTGGGCATCACTACGGGCTTCTGGATCTGGTGGGCAAGACCCTGCAGTCAAGTGGCGTCTCTA



[View online »](#)

```

CCACAGACTCAGCCACAGCAGCAAGGGGAAACTGCGGTATGAGCCCCGGTCCTTACCCACCCTTGCCCT
TTCTACCCCTTTACAGGAGGAGAGGCATGGTAGGGAGAGAAGTCTGGGTGGGGCTTGTTCGGTAAGC
TACCTGCCCTCCACTGAGCTTAACTGGAAGTGAGAAGTTATTTGGAGGTGAGAAGAGATTTGGGGC
GAGAGATGGTTTTGAGAGGAGGCCAGATGAAAAAGGCAAGGCAGTGGCCGAAAAGACTTCTGGCTAA
GACTTGCAGGACGATGCTAACTGTGAAAGATATGGACCGCTAGGGCCTAAGGAAAAGTTGAGACCAGC
AGAGAGAGAGACTGGTGAGGTTTTCAAGCGCCAGAGATGAGCCAGGGCTGTGAGTCCAATCCCCTGCTGC
AAGGCAAGTGGTTGTTCTACTCTAGTGAAGGGGGCTGGGAGGGGAGGGTGATACCGCTCTGTCTGTAG
CCTAGGCTTTGTGGCAAGATGGGGGGACCTCCTGCGGTGCCCTTGTCAAGTGGTGGTCAAACCAAT
CTCTTTTCACTGGGGCCAACTGGAGCCAGATGGGTTAATTTCCAGGGTCAGACCTTACAGTCCCTCCTC
CCGGGCCCTCCCGCTGCTTTTCTTCCCTACTCCTTTCAAGTCTAGTAAAATAAGCATTGGAAGGC
CGGGCCCTGCCTGCTAGAGTCTAGCGTGAAGTTGGTTTTCAAGAGGAGGCCAAGAAGGCGAGTGGGAGA
TACAGTCTGCTACTTTTTAATTTGTGCTACTTTTTCTATTTTCTAGGAAAGGCAGAGAGAAAAAGATGT
TTTTTTGGTTTCATACCCTGAAAAAAGTCATGACTTGTGCTTTTCAAACAGGAACGCATTACACA
CACACACACCCCATCCCACCCCTTGTCTTTGTGTAAGAGACAAAGCGGAAACAAAAGTGTCTCCCT
GAGGAAAGGCCTAACTGTGAAGCCAGCAGCTTTTACAGGCAAAGCCACAGAAATCCGAGGTTTTCTTTG
GTTGTTAATTTGGTTGAGATAAACATTCCTTTTTAAGGAAGAGTGAAGAGCAGCTTTCATACCCATTGAG
GCACACGTTCTGACTTGGATAAAGGAAATGCTAGGAGTTTTGTTATTTGTTTTAAACAGATTTAATTCAG
AACACATGATCTAATAGACTCTTTTGTCTAATGAAATCTCCTCCCATTCACGCCCCATAACCCAAATT
TTGATTTTTCTGCCCCCTTCCCTCCGTCGAATTTGGGATTTTTGCTGTTTTGTTTTGTTGTGTTTTGTT
TTTCTCCAGACAGGGTATCTCTGTGTAGCCCTGACTATCCAGGAACTGGCTCTGTAGAGCAGGCTGGCT
TTGAACTCACAGACATCCACCTGCCTCTCAATTGCTGGGATTAAGGCATGGTCCACCAGGCCT
GGCTCCCCTTCTAATTTGTATCTTTCAAGACATAACGCTCACATTAGTAAAGATAAAGACAAAAAATTT
TAACCTAAAGTTTTAAAGCATTGTCCTCATTCTTTCTGTTCTAGAGATGTAACATCTATCTATCAGA
CACATGAGCTGACCTTTCTCTCTGTTGCATGAGGCGAGGGCAAGAGGAATGATAGCGAAGGAAGAG
GAGAGTTTGAGTCAGTTTTCAAGAAAGTCATTAAGGGAAGGTGAACTTCAAAGTGATTCTGGAGTCTTT
GAAATGTGCTAGAAGACTTACATTTATTAATCTTAAATCGTGTACTTCTTTTTTTCCCTGCAATAGAA
GTCTGGTCTTTGGCATAATGTAAGCTGAGCAGAGCATCATGGGAGTTGACCTTTACCCTACCTTTGAC
ACTGACTGCTCCTCAATTTTGAATGTTCTTCAAGTTCTCAGAGCAGTTTTTAATGCCAGCCAGGGGGG
ATTGTCGGGAGGACAGATTACTTCATATGTGCTCTGTTCAAGTGAATGGAGCTGCTTTTACAATTAAGT
GATCTTGATTTTTTAACTTTCAAAGTATCTCACCTGTGAGAAATTTTTTAAGCTGCCACTACACAGG
TTTGGCATTTTTGTGTTTTATCTTTAAGTGCATGTGAAATTTGTAATAATAGAGACAGTGCAGTATGT
ATATTTGTAAATCTCCATTTTGTAAAGAAAATATATATTGATTTATACATTTTACTTTGGATTTTT
GTTTTGTTTACCTTTAAAGATCTACAATGAAGCCCACTTTATCATATGTACAGATCACGAATAAATTTT
TAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

```

Restriction Sites:

AscI-NotI

ACCN:

NM_008057

Insert Size:

1719 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: [BC063077](#), [AAH63077](#)

RefSeq Size: 4171 bp

RefSeq ORF: 1719 bp

Locus ID: 14369

UniProt ID: [Q61090](#)

Cytogenetics: 1 30.08 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. May be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. Activation by Wnt8 induces expression of beta-catenin target genes.[UniProtKB/Swiss-Prot Function]