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# Product datasheet for MR208974L4V

## Fzd2 (NM_020510) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Fzd2 (NM_020510) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Fzd2 |
| **Synonyms:** | AL033370; AW456835; Fz10; Fzd10; Mfz10; Mfz10a |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_020510 |
| **ORF Size:** | 1710 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(MR208974). |
| **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. |
| **RefSeq:** | NM_020510.2, NP_065256.1 |
| **RefSeq Size:** | 3628 bp |
| **RefSeq ORF:** | 1713 bp |
| **Locus ID:** | 57265 |
| **UniProt ID:** | Q9JIP6 |
| **Cytogenetics:** | 11 E1 |

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**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]