

Active Recombinant Mouse Frizzled Homolog 2 (Drosophila), Fc-tagged

Cat. No. Fzd2-585M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fzd2 protein was expressed in Murine myeloma cell line with the Fc part of Human IgG1 Pro100-Lys330 (C-terminus) and Mouse Frizzled-2 Gln29-Leu168 (N-terminus).
Species	Mouse
Source	Mammalian Cells
Protein Length	29-168 a.a.
Description	Fzd2 is involved in a variety of developmental processes including cell fate determination, cell polarity, tissue patterning and control of cell proliferation. Members of the Frizzled family of proteins serve as receptors for the Wnt signaling pathway.
Form	Supplied as a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Gln29 predicted
Molecular Weight	42.3 kDa
Activity	Measured by its ability to bind biotinylated Wnt-5a in a functional ELISA with an estimated KD < 5 nM.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.

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SDS-PAGE	50-55 kDa, reducing conditions
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Fzd2 frizzled homolog 2 (Drosophila) [Mus musculus]
Official Symbol	Fzd2
Synonyms	Fzd2; frizzled homolog 2 (Drosophila); Fz10; Fzd10; Mfz10; Mfz10a; AL033370; AW456835; OTTMUSP00000002857; frizzled-2; fz-2; mFz2; fz-10; frizzled-10
Gene ID	57265
mRNA Refseq	NM_020510
Protein Refseq	NP_065256
UniProt ID	Q9JIP6
Chromosome Location	11

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Pathway	Basal cellcarcinoma; Class B/2 (Secretin family receptors); GPCR ligand binding; HTLV-linfection; Melanogenesis; Pathways in cancer; Signal Transduction; Signalingby GPCR; Wnt Signaling Pathway; Wnt signaling network
Function	G-protein coupledreceptor activity; PDZ domain binding; Wnt-activated receptor activity;Wnt-protein binding; protein binding; protein heterodimerization activity;receptor activity; signal transducer activity; transmembrane signalingreceptor activity

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