

Active Recombinant Mouse Frizzled Homolog 7 (Drosophila), Fc-tagged

Cat. No. Fzd7-589M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fzd7 protein was expressed in Murine myeloma cell line with the Fc part of Human IgG1 Pro100-Lys330 (C-terminus) and Mouse Frizzled-7 Gln33-Leu185(N-terminus).
Species	Mouse
Source	Mammalian Cells
Protein Length	33-185 a.a.
Description	Fzd7 is a member of the Frizzled family of unconventional G-protein-coupled glycoprotein receptors for the Wnt signaling pathway. The Wnt genes encode a large family of glycoproteins that are essential in development and tissue maintenance.
Form	Supplied as a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Gln33 predicted
Molecular Weight	43 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	55-60 kDa, reducing conditions
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 200 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	Fzd7 frizzled homolog 7 (Drosophila) [Mus musculus]
Official Symbol	Fzd7
Synonyms	Fzd7; frizzled homolog 7 (Drosophila); Fz7; OTTHUMP00000022716; frizzled-7; Fz-7; mFz7
Gene ID	14369
mRNA Refseq	NM_008057
Protein Refseq	NP_032083
UniProt ID	Q6P551
Chromosome Location	1
Pathway	Basal cell carcinoma; Class B/2 (Secretin family receptors); GPCR ligand binding;

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HTLV-infection; Melanogenesis; Pathways in cancer; Signal Transduction;
Signalingby GPCR; Wnt Signaling Pathway; Wnt signaling network

Function

G-proteincoupled receptor activity; PDZ domain binding; Wnt-activated
receptoractivity; Wnt-protein binding

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