

Active Recombinant Human Frizzled Family Receptor 10, Fc-tagged

Cat. No. FZD10-581H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FZD10 protein was expressed in Murine myeloma cell line with the Fc part of IgG1 Pro100-Lys330 (C-terminus) and Human Frizzled 10 Ile21 Gly161 (N-terminus).
Species	Human
Source	Mammalian Cells
Description	FZD10 is a 68 kDa seven-pass transmembrane glycoprotein in the Frizzled family of Wnt receptors. The 205 amino acid N-terminal extracellular region of FZD10 contains a cysteine-rich domain that comprises the Wnt binding domain and mediates receptor oligomerization.
Form	Supplied as a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Ile21
Molecular Weight	43 kDa
Activity	Measured by its binding ability in a functional ELISA. Biotinylated rmWnt-5a immobilized on a streptavidin-coated plate at 1 µg/mL can bind rhFrizzled-10/ Fc Chimera with an apparent $K_d < 35$ nM.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.

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SDS-PAGE	56-58 kDa, reducing conditions
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100µg/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	FZD10 frizzled family receptor10 [Homo sapiens]
Official Symbol	FZD10
Synonyms	FZD10; frizzled family receptor 10; frizzled (Drosophila) homolog 10; frizzled 10, seven transmembrane spanning receptor; frizzled homolog 10 (Drosophila); frizzled-10; CD350; CD 350; CD 350 antigen; FZ10; FZD 10; FzE7; hFz10; frizzled homolog 10; frizzled 10, seven transmembrane spanning receptor; Fz10; FZ-10; OTTHUMP00000238659
Gene ID	11211
mRNA Refseq	NM_007197
Protein Refseq	NP_009128
MIM	606147
UniProt ID	Q9ULW2

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Chromosome Location	12q24.33
Pathway	Basal cell carcinoma; Class B/2 (Secretin family receptors); GPCR ligand binding; HTLV-infection; Melanogenesis; Pathways in cancer; Signal Transduction; Signaling by GPCR; Wnt Signaling Pathway; Wnt signaling network
Function	G-protein coupled receptor activity; PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding; protein binding

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