

Recombinant Human FZD6, His-tagged

Cat. No. FZD6-13069H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FZD6 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	486-706a.a.
Description	This gene represents a member of the frizzled gene family, which encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The protein encoded by this family member contains a signal peptide, a cysteine-rich domain in the N-terminal extracellular region, and seven transmembrane domains, but unlike other family members, this protein does not contain a C-terminal PDZ domain-binding motif. This protein functions as a negative regulator of the canonical Wnt/beta-catenin signaling cascade, thereby inhibiting the processes that trigger oncogenic transformation, cell proliferation, and inhibition of apoptosis. Alternative splicing results in multiple transcript variants, some of which do not encode a protein with a predicted signal peptide.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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GENE INFORMATION

Gene Name	FZD6 frizzled family receptor 6 [Homo sapiens]
Official Symbol	FZD6
Synonyms	FZD6; frizzled family receptor 6; frizzled (Drosophila) homolog 6 , frizzled 6, seven transmembrane spanning receptor , frizzled homolog 6 (Drosophila); frizzled-6; Hfz6; frizzled homolog 6; seven transmembrane helix receptor; frizzled 6, seven transmembrane spanning receptor; FZ6; FZ-6; HFZ6; NDNC10;
Gene ID	8323
mRNA Refseq	NM_001164615
Protein Refseq	NP_001158087
MIM	603409
UniProt ID	O60353
Chromosome Location	8q22.3-q23.1
Pathway	Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Melanogenesis, organism-specific biosystem;
Function	G-protein coupled receptor activity; PDZ domain binding; Wnt-activated receptor

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activity; Wnt-protein binding; Wnt-protein binding; protein binding; receptor activity;
signal transducer activity;

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