Recombinant Human FZD7

Cat. No. FZD7-26288TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Frizzled 7 with a proprietary tag: predicted molecular weight 36.52 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	Members of the frizzled gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins.The FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz family members, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif.FZD7 gene expression may downregulate APC function and enhance beta-catenin-mediated signals in poorly differentiated human esophageal carcinomas.
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	High expression in adult skeletal muscle and fetal kidney, followed by fetal lung, adult heart, brain, and placenta. Specifically expressed in squamous cell esophageal carcinomas.
Biological activity	This product is useful for Antibody Production and Protein Array

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GAGEICVGQNTSDGSGGPGGGPTAYPTAPYLPDLPFTALPPGASDGRGRPAFPFS CPRQLKVPPYLGYRFLGERDCGAPCEPGRANGLMYFKEEERRFA
Sequence Similarities	Belongs to the G-protein coupled receptor Fz/Smo family.Contains 1 FZ (frizzled) domain.

GENE INFORMATION

Gene Name	FZD7 frizzled family receptor 7 [Homo sapiens]
Official Symbol	FZD7
Synonyms	FZD7; frizzled family receptor 7; frizzled (Drosophila) homolog 7 , frizzled 7, seven transmembrane spanning receptor , frizzled homolog 7 (Drosophila); frizzled-7; FzE3;
Gene ID	8324
mRNA Refseq	NM_003507
Protein Refseq	NP_003498
MIM	603410

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Uniprot ID	O75084
Chromosome Location	2q33
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;
Function	G-protein coupled receptor activity; PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding; receptor activity;

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