

Recombinant Human FZD2

Cat. No. FZD2-26287TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 192-245 of Human Frizzled 2 with an N terminal proprietary tag; predicted mwt: 31.57 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	54 amino acids
Description	<p>This intronless gene is a member of the frizzled gene family. Members of this family encode seven-transmembrane domain proteins that are receptors for the wingless type MMTV integration site family of signaling proteins. This gene encodes a protein that is coupled to the beta-catenin canonical signaling pathway. Competition between the wingless-type MMTV integration site family, member 3A and wingless-type MMTV integration site family, member 5A gene products for binding of this protein is thought to regulate the beta-catenin-dependent and -independent pathways.</p>
Molecular Weight	31.570kDa inclusive of tags
Tissue specificity	Widely expressed. In the adult, mainly found in heart, placenta, skeletal muscle, lung, kidney, pancreas, prostate, testis, ovary and colon. In the fetus, expressed in brain, lung and kidney. Low levels in fetal liver.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	YATLEHPFHCPRLVKVPSYLSYKFLGERDCAAPCEPARPDGSMFFSQEETRFAR
Sequence Similarities	Belongs to the G-protein coupled receptor Fz/Smo family. Contains 1 FZ (frizzled) domain.

GENE INFORMATION

Gene Name	FZD2 frizzled family receptor 2 [Homo sapiens]
Official Symbol	FZD2
Synonyms	FZD2; frizzled family receptor 2; frizzled (Drosophila) homolog 2 , frizzled 2, seven transmembrane spanning receptor , frizzled homolog 2 (Drosophila); frizzled-2;
Gene ID	2535
mRNA Refseq	NM_001466
Protein Refseq	NP_001457
MIM	600667
Uniprot ID	Q14332

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Chromosome Location	17q21.1
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;
Function	G-protein coupled receptor activity; PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding; protein heterodimerization activity;

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