

## Recombinant Human FZD2, GST-tagged

Cat. No. FZD2-13065H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human FZD2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 138-217a.a.

**Description** 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.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	FZD2 frizzled family receptor 2 [ Homo sapiens ]
<b>Official Symbol</b>	FZD2
<b>Synonyms</b>	FZD2; frizzled family receptor 2; frizzled (Drosophila) homolog 2 , frizzled 2, seven transmembrane spanning receptor , frizzled homolog 2 (Drosophila); frizzled-2; frizzled homolog 2; frizzled 2, seven transmembrane spanning receptor; Fz2; fz-2; fzE2; hFz2;
<b>Gene ID</b>	2535
<b>mRNA Refseq</b>	NM_001466
<b>Protein Refseq</b>	NP_001457
<b>MIM</b>	600667
<b>UniProt ID</b>	Q14332
<b>Chromosome Location</b>	17q21.1
<b>Pathway</b>	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;
<b>Function</b>	G-protein coupled receptor activity; PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding; protein heterodimerization activity; receptor activity; signal transducer activity;

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