

Recombinant Human FZD3, GST-tagged

Cat. No. FZD3-13066H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FZD3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	23-188a.a.
Description	This 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. Most frizzled receptors are coupled to the beta-catenin canonical signaling pathway. The function of this protein is unknown, although it may play a role in mammalian hair follicle development. Alternative splicing results in multiple transcript variants. This gene is a susceptibility locus for schizophrenia.
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 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	FZD3 frizzled family receptor 3 [Homo sapiens]
Official Symbol	FZD3
Synonyms	FZD3; frizzled family receptor 3; frizzled (Drosophila) homolog 3 , frizzled 3, seven transmembrane spanning receptor , frizzled homolog 3 (Drosophila); frizzled-3; frizzled homolog 3; frizzled 3, seven transmembrane spanning receptor; Fz-3;
Gene ID	7976
mRNA Refseq	NM_145866
Protein Refseq	NP_665873
MIM	606143
UniProt ID	Q9NPG1
Chromosome Location	8p21
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 activity; Wnt-activated receptor activity; Wnt-protein binding; protein binding; receptor activity; signal transducer activity;

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