Recombinant Human FZD1 protein, His & T7-tagged

Cat. No. FZD1-1238H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FZD1 aa. (Gln117~Trp322 (Accession # Q9UP38) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln117~Trp322
Description	Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD1 protein contains a signal peptide, a cysteine-rich domain in the N-terminal extracellular region, 7 transmembrane domains, and a C-terminal PDZ domain-binding motif. The FZD1 transcript is expressed in various tissues.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.5kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.2.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	FZD1 frizzled class receptor 1 [Homo sapiens (human)]
Official Symbol	FZD1
Synonyms	FZD1; frizzled class receptor 1; frizzled-1; Wnt receptor; frizzled 1, seven transmembrane spanning receptor; frizzled family receptor 1; frizzled homolog 1; frizzled, Drosophila, homolog of, 1; fz-1; fzE1; hFz1
Gene ID	8321
mRNA Refseq	NM_003505.1
Protein Refseq	NP_003496.1

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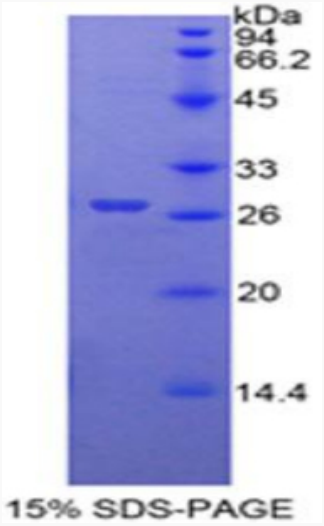
UniProt ID	Q9UP38
SDS-PAGE	

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