

## Recombinant Human FZD1 protein, His & T7-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FZD1 aa. (Gln117~Trp322 (Accession # Q9UP38) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln117~Trp322
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 26.5kDa.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 7.2.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	FZD1 frizzled class receptor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FZD1
<b>Synonyms</b>	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
<b>Gene ID</b>	8321
<b>mRNA Refseq</b>	NM_003505.1
<b>Protein Refseq</b>	NP_003496.1

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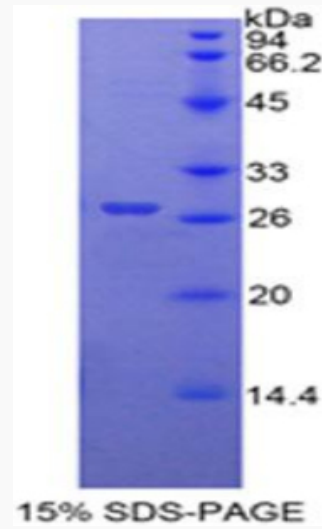
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UniProt ID

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SDS-PAGE



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