

# Recombinant Full Length Human FZD4 Protein, GST-tagged

Cat. No. FZD4-5082HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human FZD4 full-length ORF ( NP_036325.2, 1 a.a. - 537 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	537 amino acids
<b>Description</b>	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. This protein may play a role as a positive regulator of the Wingless type MMTV integration site signaling pathway. A transcript variant retaining intronic sequence and encoding a shorter isoform has been described, however, its expression is not supported by other experimental evidence. [provided by RefSeq]
<b>Molecular Mass</b>	86.3 kDa
<b>AA Sequence</b>	MAWRGAGPSVPGAPGGVGLSLGLLLLQLLLLLLPARGFGDEEERRCDPIRISMQCQL GYNVTKMPNLVGHQLQTDALQLTTFTPLIQYGCSSQLQFFLCSVYVPMCTEKINIPI GPCGGMCLSVKRRCEPVLKEFGFAWPESLNCSEKFPQNDHNMCMEGPGDEEVP LPHKTPIQPGEECHSVGTNSDQYIWWKRSLNVCVLKCGYDAGLYSRSAKEFTDIWMA VWASLCFISTAFTVLTFLIDSSRFSYPERPIIFLSMCYNIYSIAYIVRLTVGRERISCDFE

 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

EAAEPVLIQEGLKNTGCAIIFLLMYFFGMASSIWWVILTLTWFLAAGLKWGHEAIEMH  
 SSYFHIAAWAIPAVKTIVILIMRLVDDELDTGLCYVGNQNLDAALGTFVVPAPLFTYLVIPT  
 LFIAAGLVALFKIRSNLQKDGTKTKLERLMVKIGVFSVLYTVPATCVIACYFYEISNW  
 ALFRYSADDSNMAVEMLKIFMSLLVGITSGMWIWSAKTLHTWQKCSNRLVNSGKVK  
 REKRGNGWVKPGKGSETVV

**Applications**  
 Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**  
 Best use within three months from the date of receipt of this protein.

**Storage**  
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**  
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**  
 FZD4 frizzled family receptor 4 [ Homo sapiens ]

**Official Symbol**  
 FZD4

**Synonyms**  
 FZD4; frizzled family receptor 4; EVR1, exudative vitreoretinopathy 1, frizzled (Drosophila) homolog 4, frizzled 4, seven transmembrane spanning receptor, frizzled homolog 4 (Drosophila); frizzled-4; CD344; hFz4; frizzled homolog 4; WNT receptor frizzled-4; frizzled 4, seven transmembrane spanning receptor; EVR1; FEVR; Fz-4; FzE4; GPCR; FZD4S; MGC34390;

**Gene ID**  
 8322

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mRNA Refseq	NM_012193
Protein Refseq	NP_036325
MIM	604579
UniProt ID	Q9ULV1

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