

# 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>      | MAWRGAGPSVPGAPGGVGLSLGLLLQLLLLLGPARGFGDEEERRCDPIRISM CQNL<br>GYNVTKMPNLVGHELQTD AELQLTTFTPLIQYGCSSQLQFFLCSVYVPMCTEKINIPI<br>GPCGGMCLSVKRRCEPVLKEFGFAWPESLNC SKFPPQNDHNMCMEGPGDEEVP<br>LPHKTPIQPGEECHSVGTNSDQYIWVKRSLNCVLKCGYDAGLYSRSAKEFTDIWMA<br>VWASLCFISTAFTVLTFLIDSSRFSYPERPIIFLSMCYNIYSIAYIVRLTVGRERISCDFE                                                                                                                                                                                                                                                                                                             |

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EAAEPVLIQEGLKNTGCAIIFLLMYFFGMASSIWWVILTLTWFLAAGLKWGHEAIEMH  
 SSYFHIAAWAIPAVKTIVILIMRLVDADELTLGLCYVGNQNLDALTGFVVAPLFTYLVIGT  
 LFIAAGLVALFKIRSNLQKDGTKDKLERLMVKIGVFSVLYTVPATCVIACYFYEISNW  
 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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