

# Recombinant Human FZD4 Protein

**Cat. No.** FZD4-4592H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human FZD4 full-length ORF (NP_036325.2) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <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>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 59.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MAWRGAGPSVPGAPGGVGLSLGLLLQLLLLLGPARGFGDEEERRCDPIRISM CQNL<br>GYNVTKMPNLVGHELQTD AELQLTTFTPLIQYGCSSQLQFFLCSVYVPMCTE KINIPI<br>GPCGGMCLSVKRRCEPVLKEFGFAWPESLNC SKFPPQNDHNMCMEGPGDEEVP<br>LPHKTPIQPGEECHSVGTNSDQYIWVKRSLNCVLKCGYDAGLYSRSAKEFTDIWMA<br>VWASLCFISTAFTVLTFLIDSSRFSYPERPIIFLSMCYNIYSIAYIVRLTVGRERISCDFE<br>EAAEPVLIQEG LKNTGCAIIFLLMYFFGMASSIWWVILT LTWFLAAGLKWGHEAIEMH                                                                                                                                                                                                                                            |

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SSYFHIAAWAIPAVKTIVILIMRLVDADELTGLCYVGNQNLDALTGFVVAPLFTYLVIGT  
LFIAAGLVALFKIRSNLQKDGTKDKLERLMVKIGVFSVLYTVPATCVIACYFYEISNW  
ALFRYSADDSNMAVEMLKIFMSLLVGITSGMWIWSAKTLHTWQKCSNRLVNSGKVK  
REKRGNGWVKPGKGSETVV

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Antibody Production<br>Functional Study<br>Compound Screening                                  |
| <b>Usage</b>          | Heating may cause protein aggregation. Please do not heat this product before electrophoresis. |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.                         |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                       |
| <b>Storage Buffer</b> | 25 mM Tris-HCl of pH8.0 containing 2% glycerol.                                                |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FZD4 frizzled family receptor 4 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b> | FZD4                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 8322                                                                                                                                                                                                                                                                                                                                                                |

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|----------------|-----------|
| mRNA Refseq    | NM_012193 |
| Protein Refseq | NP_036325 |
| MIM            | 604579    |
| UniProt ID     | Q9ULV1    |

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