

## Recombinant Human FZD4 Protein, Fc-tagged

Cat. No. FZD4-256H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human FZD4 protein with Fc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	537
<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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	42.9 kDa
<b>AA Sequence</b>	MAWRGAGPSVPGAPGGVGLSLGLLLQLLLLLLPARGFGDEEERRCDPIRISM CQNL GYNVTKMPNLVGH LQTD AELQLTTFTPLIQYGCSSQLQFFLCSVYVPMCTEKINIPI GPCGGMCLSVKRRCEPVLKEFGFAWPESLNC SKFPPQNDHNHMCMEGPGDEEVP LPHKTPIQPGEECHSVGTNSDQYIWVKRSLNCV LKCGYDAGLYSRSAKEFTDIWMA

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VWASLCFISTAFTVLTFLIDSSRFSYPERPIIFLSMCYNIYSIAYIVRLTVGRERISCDFE  
 EAAEPVLIQEGLKNTGCAIIFLLMYFFGMASSIWWVILTTLTWFLAAGLKWGHEAIEMH  
 SSYFHIAAWAIPAVKTIVILIMRLVDADELTLGLCYVGNQNLDAITGFVVAPLFTYLVIGT  
 LFIAAGLVALFKIRSNLQKDGTKDKLERLMVKIGVFSVLYTVPATCVIACYFYEISNW  
 ALFRYSADDSNMAVEMLKIFMSLLVGITSGMWIWSAKTLHTWQKCSNRLVNSGKVK  
 REKRGNGWVKPGKGSETVV

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

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

**Official Symbol** FZD4

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<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>	<a href="#">8322</a>
<b>mRNA Refseq</b>	<a href="#">NM_012193</a>
<b>Protein Refseq</b>	<a href="#">NP_036325</a>
<b>MIM</b>	<a href="#">604579</a>
<b>UniProt ID</b>	<a href="#">Q9ULV1</a>

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