

Recombinant Human FZD4 Protein, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant human FZD4 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	537
Description	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.
Form	Lyophilized
Molecular Mass	42.9 kDa
AA Sequence	MAWRGAGPSVPGAPGGVGLSLGLLLQLLLLLGPARGFGDEEERRCDPIRISMCQNL GYNVTKMPNLVGHELQTDALQLTTFTPLIQYGCSSQLQFFLCSVYVPMCTEKINIP GPCGGMCLSVKRRCEPVLKEFGFAWPESLNCSEKFPQNDHNHMCMEGPGDEEVP LPHKTPIQPGECHSVGTNSDQYIWVKRSLNCVLKCGYDAGLYSRSAKEFTDIWMA

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VWASLCFISTAFTVLTFLIDSSRFSYPERPIIFLSMCYNIYSIAYIVRLTVGRERISCDFE
 EAAEPVLIQEGLKNTGCAIIFLLMYFFGMASSIWWVILTTLTWFLAAGLKWGHEAIEMH
 SSYFHIAAWAIPAVKTIVILIMRLVDADELTLGLCYVGNQNLDALTGFVVAPLFTYLVIGT
 LFIAAGLVALFKIRSNLQKDGTCTDKLERLMVKIGVFSVLYTVPATCVIACYFYEISNW
 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 H₂O 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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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
mRNA Refseq	NM_012193
Protein Refseq	NP_036325
MIM	604579
UniProt ID	Q9ULV1