

## Recombinant Human FZD2 Protein, Fc-tagged

Cat. No. FZD2-255H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human FZD2 protein with Fc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	565
<b>Description</b>	This intronless 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. This gene encodes a protein that is coupled to the beta-catenin canonical signaling pathway. Competition between the wingless-type MMTV integration site family, member 3A and wingless-type MMTV integration site family, member 5A gene products for binding of this protein is thought to regulate the beta-catenin-dependent and -independent pathways.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	41.7 kDa
<b>AA Sequence</b>	MRPRSALPRLLLPLLLLPAAGPAQFHGEKGISIPDHGFCQPISIPLECTDIAYNQTIMPN LLGHTNQEDAGLEVHQFYPLVKVQCSPFLRFFLCSMYAPVCTVLEQAIPPCRSICER ARQGCEALMNKFGFQWPERLRCEHFPRHGAEQICVGQNHSEGDGAPALLTTAPPPG LQPAGGTPGGPGGGGAPPRYATLEHPFHCPVVKVPSYLSYKFLGERDCAAPCE PARPDGSMFFSQEETRFARLWILTWSVLCCASTFFTVTTYLVDMQRFYPERPIIFLS

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GCYTMVSVAYIAGFVLQERVVCNERFSEDGYRTVVQGTKKEGCTILFMMLYFFSMA  
 SSIWWWILSLTWFLAAGMKWGHEAIEANSQYFHLLAAWAVPAVKTITILAMGQIDGDL  
 SGVCFVGLNSLDPLRGFVLAPLFFVYLFIGTSFLLAGFVSLFRIRTIMKHDGKTEKLER  
 LMVRIGVFSVLYTVPATIVIACYFYEQAFREHWERSWWSQHCKSLAIPCPAHYTPRM  
 SPDFTVYMIKYLMTLIVGITSGFWIWSGKTLHSWRKFYTRLTNSRHGETTV

**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** FZD2 frizzled family receptor 2 [ Homo sapiens (human) ]

**Official Symbol** FZD2

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<b>Synonyms</b>	FZD2; frizzled family receptor 2; frizzled (Drosophila) homolog 2 , frizzled 2, seven transmembrane spanning receptor , frizzled homolog 2 (Drosophila); frizzled-2; frizzled homolog 2; frizzled 2, seven transmembrane spanning receptor; Fz2; fz-2; fzE2; hFz2;
<b>Gene ID</b>	2535
<b>mRNA Refseq</b>	NM_001466
<b>Protein Refseq</b>	NP_001457
<b>MIM</b>	600667
<b>UniProt ID</b>	Q14332

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