

## Active Recombinant Human FZD7 protein, His-tagged

**Cat. No.** FZD7-643H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FZD7 protein(Gln 33 - Leu 185), fused with His tag, was expressed in HEK293.                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Gln33-Leu185                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                   |
| <b>Bio-activity</b>     | Loaded Biotinylated Human Glypican 3, His,Avitag, premium grade on SA Biosensor, can bind Human Frizzled-7, His Tag with an affinity constant of 1.18 µM as determined in BLI assay (ForteBio Octet Red96e). |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus.The protein has a calculated MW of 18.6 kDa. The protein migrates as 25-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.      |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                   |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                              |
| <b>Storage</b>          | For long term, the product should be stored at lyophilized state at -20°C or                                                                                                                                 |

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lower. Please protect from light and avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** FZD7 frizzled family receptor 7 [ Homo sapiens ]

**Official Symbol** FZD7

**Synonyms**

FZD7; frizzled family receptor 7; frizzled (Drosophila) homolog 7 , frizzled 7, seven transmembrane spanning receptor , frizzled homolog 7 (Drosophila); frizzled-7; FzE3; fz-7; hFz7; frizzled homolog 7; Frizzled, drosophila, homolog of, 7; frizzled 7, seven transmembrane spanning receptor;

**Gene ID** 8324

**mRNA Refseq** NM\_003507

**Protein Refseq** NP\_003498

**MIM** 603410

**UniProt ID** O75084

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