## Datasheet for ABIN7319923

## FZD8 Protein (Biotin,His-Avi Tag)

1 Image


## Overview

| Quantity: | $100 \mu \mathrm{~g}$ |
| :--- | :--- |
| Target: | FZD8 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This FZD8 protein is labelled with Biotin,His-Avi Tag. |

Product Details

| Purpose: | Recombinant Human Frizzled-8 (C-6His-Avi) Biotinylated |
| :--- | :--- |
| Sequence: | Ala28-Pro172 |
| Characteristics: | Biotinylated Recombinant Human Frizzled-8 is produced by our Mammalian expression system |
| and the target gene encoding Ala28-Pro172 is expressed with a 6His, Avi tag at the C-terminus. |  |
| Purity: | $>95 \%$ as determined by reducing SDS-PAGE. |

Endotoxin Level: < 1.0 EU per $\mu \mathrm{g}$ as determined by the LAL method.

Target Details

| Target: | FZD8 |
| :--- | :--- |
| Alternative Name: | Frizzled-8 (FZD8 Products) |
| Background: | Background: Frizzled-8 is one of at least ten seven-transmembrane (7TM) glycoproteins of the |
|  | Frizzled family of Wnt receptors. Frizzled proteins are thought to be G-protein-coupled. Wnt |
| engagement, with low density lipoprotein receptor-related proteins LRP-5 or LRP-6 acting as co- |  |

## Target Details

|  | receptors, stabilizes beta -catenin and promotes gene transcription that is important in development and tissue maintenance. Component of the Wnt-Fzd-LRP5-LRP6 complex that triggers beta-catenin signaling through inducing aggregation of receptor-ligand complexes into ribosome-sized signalosomes. The beta-catenin canonical signaling pathway leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of betacatenin and activation of Wnt target genes. These ligands bind the extracellular CRD of Frizzled8, blocking Wnt binding. The recombinant Frizzled-8 CRD has also been used to block Wnt signaling and inhibit growth of teratocarcinomas. <br> Synonym: frizzled 8, frizzled family receptor 8, Frizzled8, Frizzled-8, FZ-8, FZD8, hFZ8 |
| :---: | :---: |
| Molecular Weight: | 19.1 kDa |
| UniProt: | Q9H461 |
| Pathways: | WNT Signaling |
| Application Details |  |
| Comment: | 25-35 kDa |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from a $0.2 \mu \mathrm{~m}$ filtered solution of PBS, pH 7.4. |
| Storage: | $4^{\circ} \mathrm{C},-20^{\circ} \mathrm{C},-80^{\circ} \mathrm{C}$ |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to $-80^{\circ} \mathrm{C}$. Reconstituted protein solution can be stored at $4-8^{\circ} \mathrm{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $<-20^{\circ} \mathrm{C}$ for 3 months. |



