

Datasheet for ABIN7319870

FZD8 Protein (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	FZD8
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FZD8 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Frizzled-8 (C-6His)
Sequence:	Ala28-Pro172
Characteristics:	Recombinant Human Frizzled-8 is produced by our Mammalian expression system and the target gene encoding Ala28-Pro172 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg 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 beta-catenin and activation of Wnt target genes. These ligands bind the extracellular CRD of Frizzled-8, blocking Wnt binding. The recombinant Frizzled-8 CRD has also been used to block Wnt signaling and inhibit growth of teratocarcinomas.

Synonym: frizzled 8, frizzled family receptor 8, Frizzled8, Frizzled-8, FZ-8, FZD8, hFZ8

Molecular Weight: 17.3 kDa

UniProt: [Q9H461](#)

Pathways: [WNT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

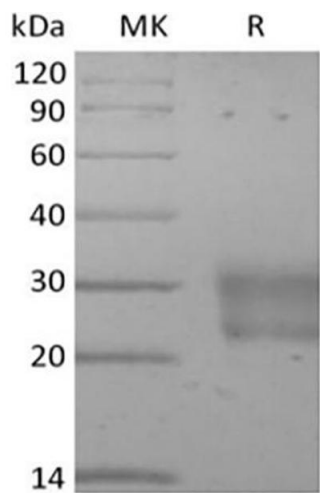
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.