

Datasheet for ABIN7195855

**FZD1 Protein (His tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	FZD1 (Fzd1)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FZD1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse Frizzled 1/FZD1 Protein (His Tag)
Sequence:	Met 1-His 248
Characteristics:	A DNA sequence encoding the mouse FZD1 (NP_067432.2) extracellular domain (Met 1-His 248) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

## Target Details

Target:	FZD1 (Fzd1)
Alternative Name:	Frizzled 1/FZD1 ( <a href="#">Fzd1 Products</a> )
Background:	Background: Frizzled-1, also known as FZD1, belongs to the G-protein coupled receptor Fz/Smo family. FZD1 contains a signal peptide, a cysteine-rich domain in the N-terminal extracellular region, 7 transmembrane domains, and a C-terminal PDZ domain-binding motif. FZD1 is

## Target Details

expressed in adult heart, placenta, lung, kidney, pancreas, prostate, and ovary and in fetal lung and kidney. Frizzled is a family of G protein-coupled receptor proteins that serve as receptors in the Wnt signaling pathway and other signaling pathways. When activated, Frizzled leads to activation of Dishevelled in the cytosol. Frizzled proteins and the genes encoding them have been identified in an array of animals, from sponges to humans. Frizzled proteins play key roles in governing cell polarity, embryonic development, formation of neural synapses, cell proliferation, and many other processes in developing and adult organisms. Most of frizzled receptors are coupled to the beta-catenin canonical signaling pathway, which leads to the activation of disheveled proteins, inhibition of GSK-3 kinase, nuclear accumulation of beta-catenin and activation of Wnt target genes.

Synonym: Frizzled-1; Fz-1; mFz1; Fzd1; Frizzled homolog 1

Molecular Weight: 21 kDa

NCBI Accession: [NP\\_067432](#)

Pathways: [WNT Signaling, Asymmetric Protein Localization](#)

## Application Details

Restrictions: For Research Use only

## Handling

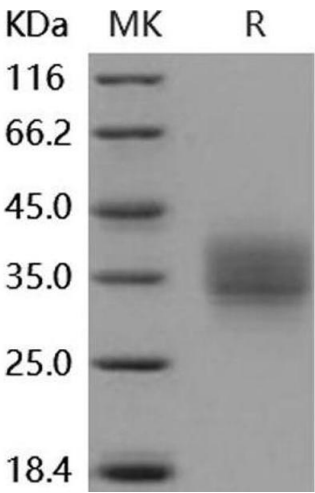
Format: Lyophilized

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

Buffer: Lyophilized from sterile 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.