

Datasheet for ABIN2181124

FZD2 Protein (AA 24-156) (Fc Tag)[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	100 µg
Target:	FZD2
Protein Characteristics:	AA 24-156
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FZD2 protein is labelled with Fc Tag.

Product Details

Sequence:	AA 24-156
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 41.7 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	FZD2
Alternative Name:	Frizzled-2 (FZD2 Products)

Target Details

Background: Frizzled-2 (FZD2) is also known as FzE2, which belongs to the G-protein coupled receptor Fz/Smo family. 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. FZD2 contains one FZ (frizzled) domain. FZD2 may be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. The Lys-Thr-X-X-X-Trp motif of FZD2 interacts with the PDZ domain of Dvl (Disheveled) family members and is involved in the activation of the Wnt/beta-catenin signaling pathway.

Molecular Weight: 41.7 kDa

Pathways: [WNT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

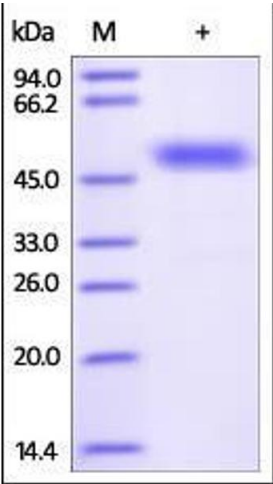
Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

Publications

Product cited in: de Guzman, Rabbany: "PEG-Immobilized Keratin for Protein Drug Sequestration and pH-Mediated Delivery." in: **Journal of drug delivery**, Vol. 2016, pp. 7843951, (2016) ([PubMed](#)).



SDS-PAGE

Image 1. Human Frizzled-2, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.