

Datasheet for ABIN2181128

**FZD5 Protein (AA 27-167) (Fc Tag)****1** Image**1** Publication[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	FZD5
Protein Characteristics:	AA 27-167
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FZD5 protein is labelled with Fc Tag.

## Product Details

Sequence:	AA 27-167
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 42.6 kDa. The protein migrates as 55-60 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:	FZD5
Alternative Name:	Frizzled-5 ( <a href="#">FZD5 Products</a> )

## Target Details

Background:	Frizzled-5 (FZD5) is also known as FzE5, 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. FZD5 contains one FZ (frizzled) domain. FZD5 may be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. FZD5 interacts specifically with Wnt5A to induce the beta-catenin pathway. FZD5 interacts with GOPC.
Molecular Weight:	42.6 kDa
UniProt:	<a href="#">Q13467</a>
Pathways:	<a href="#">WNT Signaling</a>

## Application Details

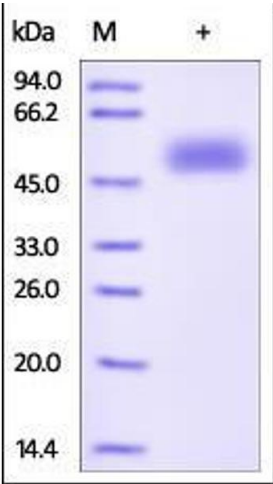
Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
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: <b>Journal of drug delivery</b> , Vol. 2016, pp. 7843951, (2016) ( <a href="#">PubMed</a> ).
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**SDS-PAGE**

Image 1.