Datasheet for ABIN7520032

FZD4 Protein (Fc Tag,His tag)

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Overview

Quantity:	100 µg
Target:	FZD4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FZD4 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Recombinant Human Frizzled-4/FZD4/CD344 Protein
Sequence:	FGDEEERRCD PIRISMCQNL GYNVTKMPNL VGHELQTDAE LQLTTFTPLI QYGCSSQLQF FLCSVYVPMC TEKINIPIGP CGGMCLSVKR RCEPVLKEFG FAWPESLNCS KFPPQNDHNH MCMEGPGDEE VPLPHKTPIQ PGEE
Specificity:	Phe37-Glu180
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	FZD4
Alternative Name:	Frizzled-4/FZD4/CD344 (FZD4 Products)

Target Details

Background:	Description: Frizzled-4 (FZD4) is also known as FzE4, CD344, 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.Familial exudative vitreoretinopathy (FEVR) is a hereditary blinding disorder that features defects in retinal vascular development. Mutations in FZD4 are known to cause autosomal dominant exudative vitreoretinopathy (EVR1). The mutations in FZD4 are associated with the phenotypes of retinal folds or ectopic macula in FEVR. Name: FZD4,CD344,EVR1,FEVR,FZD4S,Fz-4,Fz4,FzE4,GPCR,hFz4
Gene ID:	8322
UniProt:	Q9ULV1
Pathways:	WNT Signaling, Hormone Transport, Sensory Perception of Sound

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.