Datasheet for ABIN7317162

FZD10 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	FZD10
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FZD10 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Frizzled-10/FZD10 Protein (His Tag)
Sequence:	Met 1-Gly161
Characteristics:	A DNA sequence encoding the human FZD10 (NP_009128.1) (Met1-Gly161) was expressed with a polyhistidine 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:	FZD10
Alternative Name:	Frizzled-10/FZD10 (FZD10 Products)
Background:	Background: Frizzled-10, also known as Fz-10, CD350 and FZD10, is a multi-pass membrane protein which belongs to the G-protein coupled receptor Fz/Smo family. Frizzled-10 / FZD10 is abundantly expressed in the cerebellum, followed by cerebral cortex, medulla and spinal cord;

Target Details

	very low levels in total brain, frontal lobe, temporal lobe and putamen. It is weakly expressed in adult brain, heart, lung, skeletal muscle, pancreas, spleen and prostate. Frizzled-10 / FZD10 is a receptor for Wnt proteins. 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. A second signaling pathway involving PKC and calcium fluxes has been seen for some family members, it is not yet clear if it represents a distinct pathway or if it can be integrated in the canonical pathway, as PKC seems to be required for Wnt-mediated inactivation of GSK-3 kinase. Both pathways seem to involve interactions with G-proteins. Frizzled-10 / FZD10 may also be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. Synonym: CD350;FZ-10;Fz10;FzE7;hFz10
Molecular Weight:	17.5 kDa
NCBI Accession:	NP_009128
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 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.