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Datasheet for ABIN7520031 FZD2 Protein (Fc Tag,His tag)

Overview

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

Product Details

Purpose:	Recombinant Human Frizzled-2/FZD2 Protein
Sequence:	QFHGEKGISI PDHGFCQPIS IPLCTDIAYN QTIMPNLLGH TNQEDAGLEV HQFYPLVKVQ CSPELRFFLC SMYAPVCTVL EQAIPPCRSI CERARQGCEA LMNKFQFQWP ERLRCEHFPR HGAEQICVGQ NHSEDGAPAL
Specificity:	Gln24-Leu163
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1 EU/µg of the protein by LAL method.

Target Details

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

Target Details

Background:	<p>Description: 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.</p> <p>Name: Fz2, fz-2, fzE2, hFz2, OMOD2,FZD2</p>
Gene ID:	2535
UniProt:	Q14332
Pathways:	WNT Signaling

Application Details

Restrictions:	For Research Use only
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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 vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (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.