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Datasheet for ABIN2745685

FZD5 Protein (AA 27-180) (Fc Tag)

Overview

Quantity:	3 x 50 µg
Target:	FZD5
Protein Characteristics:	AA 27-180
Origin:	Human, Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FZD5 protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Specificity:	Binds to human and mouse Wnt3a.
Cross-Reactivity:	Human, Mouse (Murine)
Characteristics:	The cysteine-rich domain (CRD) of human Frizzled-5 (aa 27-180) is fused at the C-terminus to the Fc portion of human IgG1.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	FZD5
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Target Details

Alternative Name:	Frizzled-5 (FZD5 Products)
Background:	Wnts are lipid-modified morphogens that control many processes during development, stem cell maintenance and homeostasis and their aberrant regulation has been linked to diseases in man including diabetes, neurodegeneration and cancer. Three distinct receptor families mediate Wnt signaling: Fzs, the single-pass LRP5/6 co-receptors and the atypical tyrosine kinase receptors Ror2 and Ryk. Frizzled proteins can activate canonical Wnt/beta-catenin signaling as well as non-canonical pathways (Wnt/Ca2+ pathways and planar cell polarity). The cysteine-rich domain (CRD) of the frizzled receptors situated on the extracellular part of the receptor is sufficient to bind the Wnt ligands.
Molecular Weight:	~50kDa (SDS-PAGE)
UniProt:	Q13467
Pathways:	WNT Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Inhibits Wnt3a activation in a stoichiometric manner.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 50 µL sterile water.
Concentration:	Lot specific
Buffer:	Lyophilized. Contains PBS.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months