

Frizzled 10 Recombinant Protein | FZD10 recombinant protein

Frizzled 10 Protein, Human, Recombinant (His Tag)

CATALOG #
AAA258043

HOST
HEK293 Cells

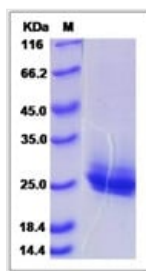
PRODUCT SYNONYMS

Frizzled 10; Frizzled 10 Protein; Human; Recombinant (His Tag); Human Frizzled-10/FZD10 Protein (His Tag); CD350 Protein; FZ-10 Protein; Fz10 Protein; FzE7 Protein; hFz10 Protein; frizzled class receptor 10; FZD10 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Gly16 1
Species	Human
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Ile 21
Tag	C-His
Protein Construction	A DNA sequence encoding the human FZD10 (NP_009128.1)(Met1-Gly161) was expressed with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FZD10 recombinant protein	Background: Frizzled-1, also known as Fz-1, CD35 and FZD1, is a multi-pass membrane protein which belongs to the G-protein coupled receptor Fz/Smo family. Frizzled-1/FZD1 is abundantly expressed in the cerebellum, followed by cerebral cortex, medulla and spinal cord; 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-1/FZD1 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-1/FZD1 may also be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues.
Product Categories/Family for FZD10 recombinant protein	Non-Canonical Wnt Pathway
References	Kwon H.S., et al.,(2009), Myocilin is a modulator of Wnt signaling. Mol. Cell. Biol. 29:2139-2154. The MGC Project Team, et al., (2004), The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Genome Res. 14:2121-2127. Tanaka S., et al.,(1998), A novel frizzled gene identified in human esophageal carcinoma mediates APC/beta-catenin signals. Proc. Natl. Acad. Sci. U.S.A. 95:10164-10169.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005762
NCBI GeneID	11211
NCBI Accession #	NP_009128.1
NCBI GenBank Nucleotide #	NM_007197.3
UniProt Accession #	Q9ULW2
Molecular Weight	65,336 Da
NCBI Official Full Name	frizzled-10
NCBI Official Synonym Full Names	frizzled family receptor 10
NCBI Official Symbol	FZD10
NCBI Official Synonym Symbols	Fz10; FzE7; CD350; FZ-10; hFz10
NCBI Protein Information	frizzled-10; frizzled homolog 10; frizzled 10, seven transmembrane spanning receptor
UniProt Protein Name	Frizzled-10
UniProt Gene Name	FZD10
UniProt Synonym Gene Names	Fz-10; hFz10
UniProt Entry Name	FZD10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fzd10-recombinant-protein-hek293-cells/258043>