

Frizzled-5 / FZD5 Recombinant Protein | FZD5 recombinant protein

Recombinant Human Frizzled-5 / FZD5 Protein (His tag)

CATALOG #
AAA173565

HOST
HEK293 Cells

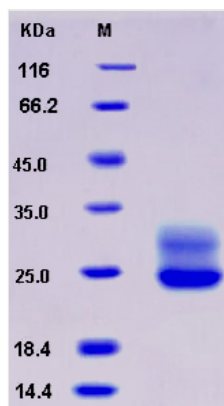
PRODUCT SYNONYMS

Frizzled-5 / FZD5; Recombinant Human Frizzled-5 / FZD5 Protein (His tag); C2 or f31; HFZ5; FZD5 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 97 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Sequence	Met1-Pro167
Species	Human
Tag	C-His
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water(330ul) be added to the vial to prepare a stock solution of 0.15mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Ships on blue ice. 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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FZD5 recombinant protein	Wnt signaling is involved in a variety of embryonic development processes of nonvertebrates and vertebrates, where it determines cell motility, cell polarity, differentiation, proliferation and apoptosis, as well as formation of neural synapses. Various homologs of the Wingless protein, termed WNT factors, represent key mediators and act through a receptor complex comprised of members of the Frizzled and low density lipoprotein-related receptors (LRP). 19 WNTs, 10 Frizzled, and 2 LRP proteins have been identified. Frizzled is a family of G protein-coupled receptor proteins consisting of a divergent signal peptide, a highly conserved extracellular cysteine-rich domain (CRD), a variable-length linker region, a seven-pass transmembrane domain, and a variable-length C-terminal tail.Frizzled 5 (FZD5) is believed to be the receptor for the Wnt5A ligand, and also interactions with Wnt10B, Wnt2B, and Wnt 7A functionally. Recent studies of WNT5A/Frizzled-5 signaling have revealed an unexpected and novel role in orchestrating adaptive immunity in response to microbial stimulation. In addition, FZD5 is also implicated in the survival of mature neurons in the parafascicular nucleus of the thalamus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27894385
NCBI GeneID	7855
NCBI Accession #	NP_003459.2
NCBI GenBank Nucleotide #	NM_003468.3
UniProt Accession #	Q13467; Q53R22; A8K2X1; B2RCZ1
Molecular Weight	Mol_Mass: 17.6 kDa AP_Mol_Mass: 25-30 kDa
NCBI Official Full Name	frizzled-5
NCBI Official Synonym Full Names	frizzled class receptor 5
NCBI Official Symbol	FZD5
NCBI Official Synonym Symbols	HFZ5; C2orf31
NCBI Protein Information	frizzled-5
UniProt Protein Name	Frizzled-5
UniProt Gene Name	FZD5
UniProt Synonym Gene Names	C2orf31; Fz-5; hFz5

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.