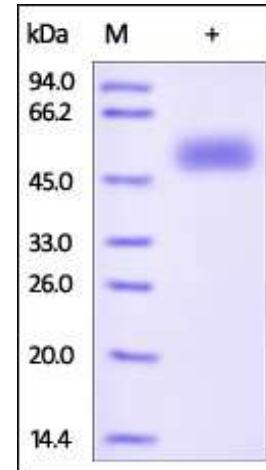


Human CellExp™ Frizzled-5 / FZD5 Protein, Human recombinant

CATALOG NO:	P1028-10 P1028-50	10 µg 50 µg
ALTERNATE NAMES:	FZD5, Frizzled-5, C2orf31, Fz-5, hFz5, FzE5	
SOURCE:	HEK 293 cells (Ala 27 - Pro 167)	
PURITY:	> 95% by SDS-PAGE	
MOL. WEIGHT:	This protein fused with Fc fragment of human IgG1 at the C-terminus, has a calculated MW of 42.6 kDa. The predicted N-terminus is Ala 27. DTT-reduced Protein migrates as 55-60 kDa due to glycosylation.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH 7.5. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
STORAGE CONDITIONS:	Store 4-8°C for 1 year in lyophilized state. After reconstitution, aliquot and store at -70°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex.	
DESCRIPTION:	Frizzled-5 (FZD5) is also known as FzE5, 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. FZD5 contains one FZ (frizzled) domain. FZD5 may be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. FZD5 interacts specifically with Wnt5A to induce the beta-catenin pathway. FZD5 interacts with GOPC.	



The purity of rh FZD5 / Frizzled-5 Fc Chimera was determined by DTT reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

RELATED PRODUCT:

- Human CellExp™ Frizzled-2/FZD2 Protein, human recombinant (**Cat. No. P1026-10, -50**)
- Human CellExp™ Frizzled-4/FZD4 Protein, human recombinant (**Cat. No. P1027-10, -50**)
- Human CellExp™ Frizzled-7/FZD7 Protein, human recombinant (**Cat. No. P1029-10, -50**)

FOR RESEARCH USE ONLY! Not to be used on humans.