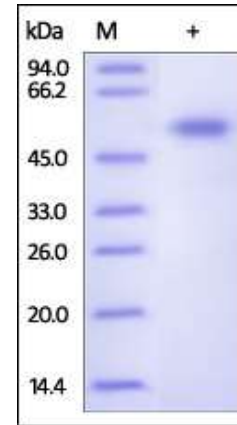


Human CellExp™ Frizzled-7 / FZD7 Protein, Human recombinant

CATALOG NO:	P1029-10 P1029-50	10 µg 50 µg
ALTERNATE NAMES:	FZD7, Frizzled-7, FzE3, Fz-7, hFz7	
SOURCE:	HEK 293 cells (Gln 33 - Leu 185)	
PURITY:	> 92% by SDS-PAGE	
MOL. WEIGHT:	This protein fused with Fc fragment of human IgG1 at the C-terminus, has a calculated MW of 43.3 kDa. The predicted N-terminus is Gln 33. DTT-reduced Protein migrates as 50-55 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 50 mM tris, 100 mM glycine, 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-7 (FZD7) is also known as FzE3, 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. FZD7 contains one FZ (frizzled) domain. FZD7 is receptor for Wnt proteins. FZD7 may be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues. FZD7 interacts with MAGI3 and DVL1.	



The purity of rh FZD7 / Frizzled-7 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-5/FZD5 Protein, human recombinant (Cat. No. P1028-10, -50)

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