

Recombinant Human FZD9 Protein, C-His-tagged

Cat. No. FZD9-148H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FZD9 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Receptor for WNT2 that is 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. Plays a role in neuromuscular junction (NMJ) assembly by negatively regulating the clustering of acetylcholine receptors (AChR) through the beta-catenin canonical signaling pathway. May play a role in neural progenitor cells (NPCs) viability through the beta-catenin canonical signaling pathway by negatively regulating cell cycle arrest leading to inhibition of neuron apoptotic process. During hippocampal development, regulates neuroblast proliferation and apoptotic cell death. Controls bone formation through non canonical Wnt signaling mediated via ISG15. Positively regulates bone regeneration through non canonical Wnt signaling (By similarity).
Molecular Mass	~23 kDa
AA Sequence	LEIGRFDPERGRGAAPCQAVEIPMCRGIGYNLTRMPNLLGHTSQGEAAAELAEFAPL VQYGCHSHLRFFLCSLYAPMCTDQVSTPIACRPMCEQARLRCAPIMEQFNFGWP DSLDCARLPTRNDPHALCMEAPENATAGPAEPHKGLGMLPVAPRPARPPGDLGPG AGGSGTCENPEKFQYVEKSRSCAPRCGPGVEVFWSRRDKD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	FZD9 frizzled family receptor 9 [Homo sapiens (human)]
Official Symbol	FZD9
Synonyms	FZD9; frizzled family receptor 9; frizzled (Drosophila) homolog 9 , frizzled 9, seven transmembrane spanning receptor , frizzled homolog 9 (Drosophila); frizzled-9; CD349; FZD3; fz-9; fzE6; hFz9; frizzled homolog 9; frizzled 9, seven transmembrane spanning receptor;
Gene ID	8326
mRNA Refseq	NM_003508
Protein Refseq	NP_003499
MIM	601766

 Tel: 1-631-559-9269 1-516-512-3133

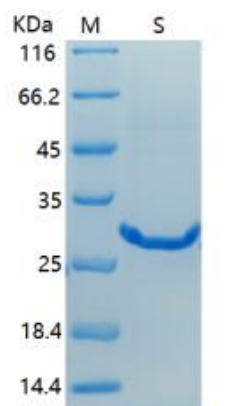
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

O00144

SDS-PAGE

SDS-PAGE Result Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA