Recombinant Mouse FZD7 Protein (33-254 aa), His-Avi-tagged

Cat. No. FZD7-3410M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Frizzled-7 (FZD7), His-Avi-tagged, expressed in HEK293 cells
Species	Mouse
Source	HEK293
ProteinLength	33-254 aa
Description	Frizzled-7 (FZD7) is a member of the Frizzled family of 7-transmembrane receptors that serve as receptors for Wnt signaling proteins. FZD7 contains an N-terminal signal sequence, a cysteine-rich domain (CRD) with 10 conserved cysteines, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif. It plays key roles in Wnt/beta-catenin signaling, cell polarity, stem cell self-renewal, skeletal muscle regeneration, and cancer biology.
Form	Liquid
Molecular Mass	28 kDa (222 aa including His-Avi-tag), confirmed by calculated MW
AASequence	HHHHHHHHGLNDIFEAQKIEWHEQPYHGEKGISVPDHGFCQPISIPLCTDIAYNQTIL PNLLGHTNQEDAGLEVHQFYPLVKVQCSPELRFFLCSMYAPVCTVLDQAIPPCRSLC ERARQGCEALMNKFGFQWPERLRCENFPVHGAGEICVGQNTSDGSGGAGGSPTA YPTAPYLPDPPFTAMSPSDGRGRLSFPFSCPRQLKVPPYLGYRFLGERDCGAPCEP GRANGLMYFKEEERRFARLW

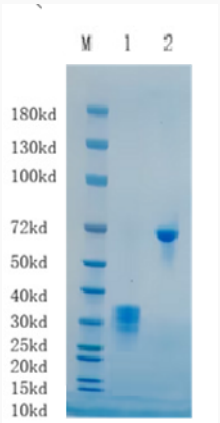
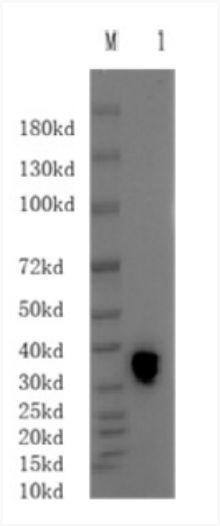
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Endotoxin	<1 EU/μg (LAL method)
Purity	>90% (by SDS-PAGE)
Storage	Store under sterile conditions at -20°C to -80°C; aliquot to avoid repeated freeze-thaw cycles
Concentration	0.07 mg/ml (BCA assay)
Storage Buffer	Sterile PBS, pH 7.4

GENE INFORMATION

Gene Name	Fzd7
Official Symbol	FZD7
Synonyms	Fz7;mFz7
Gene ID	14369
mRNA Refseq	NM_008057.3
Protein Refseq	NP_032083.3
MIM	603410
UniProt ID	Q61090

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SDS-PAGE analysis of FZD7-3410M	 1. FZD7-3410M 1μg 2. BSA 1μg 1 g/lane, reducing conditions, 12% SDS-PAGE (Coomassie Blue stained)
Western Blot analysis of FZD7-3410M	 WB analysis using Anti-His Mouse Monoclonal antibody, 1 g/lane

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