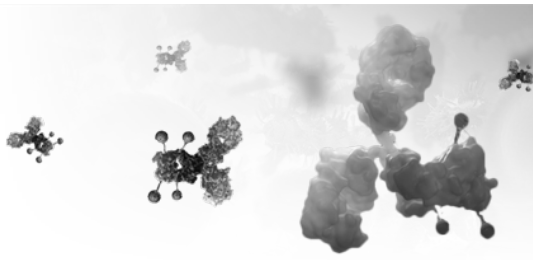

Human FZD7 peptide (DAG-P1575)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Members of the frizzled gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD7 protein contains an N-terminal signal sequence, 10 cysteine residues typical of the cysteine-rich extracellular domain of Fz family members, 7 putative transmembrane domains, and an intracellular C-terminal tail with a PDZ domain-binding motif. FZD7 gene expression may downregulate APC function and enhance beta-catenin-mediated signals in poorly differentiated human esophageal carcinomas. [provided by RefSeq, Jul 2008]
Specificity	High expression in adult skeletal muscle and fetal kidney, followed by fetal lung, adult heart, brain, and placenta. Specifically expressed in squamous cell esophageal carcinomas.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the G-protein coupled receptor Fz/Smo family.Contains 1 FZ (frizzled) domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	FZD7 frizzled class receptor 7 [Homo sapiens (human)]
Official Symbol	FZD7
Synonyms	FZD7; frizzled class receptor 7; FzE3; frizzled-7; fz-7; hFz7; frizzled homolog 7; frizzled family

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	receptor 7; Frizzled, drosophila, homolog of, 7; frizzled 7, seven transmembrane spanning receptor;
Entrez Gene ID	8324
mRNA Refseq	NM_003507.1
Protein Refseq	NP_003498.1
UniProt ID	O75084
Chromosome Location	2q33
Pathway	Asymmetric localization of PCP proteins, organism-specific biosystem; Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Hippo signaling pathway, organism-specific biosystem; Hippo signaling pathway, conserved biosystem; Melanogenesis, organism-specific
Function	G-protein coupled receptor activity; PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding; frizzled binding; protein binding;

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