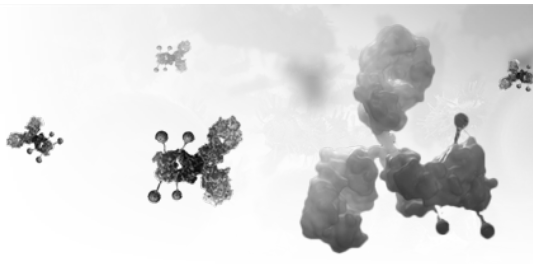

FZD6 peptide (DAG-P0514)

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

PRODUCT INFORMATION

Antigen Description	This gene represents a member of the frizzled gene family, which encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The protein encoded by this family member contains a signal peptide, a cysteine-rich domain in the N-terminal extracellular region, and seven transmembrane domains, but unlike other family members, this protein does not contain a C-terminal PDZ domain-binding motif. This protein functions as a negative regulator of the canonical Wnt/beta-catenin signaling cascade, thereby inhibiting the processes that trigger oncogenic transformation, cell proliferation, and inhibition of apoptosis. Alternative splicing results in multiple transcript variants, some of which do not encode a protein with a predicted signal peptide.[provided by RefSeq, Aug 2011]
Specificity	Detected in adult heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, thymus, prostate, testis, ovary, small intestine and colon. In the fetus, expressed in brain, lung, liver and kidney.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the G-protein coupled receptor Fz/Smo family.Contains 1 FZ (frizzled) domain.
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	FZD6 frizzled class receptor 6 [Homo sapiens (human)]
Official Symbol	FZD6

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Synonyms	FZD6; frizzled class receptor 6; FZ6; FZ-6; HFZ6; NDNC10; frizzled-6; frizzled homolog 6; frizzled family receptor 6; seven transmembrane helix receptor; frizzled 6, seven transmembrane spanning receptor;
Entrez Gene ID	8323
mRNA Refseq	NM_001164615.1
Protein Refseq	NP_001158087.1
UniProt ID	O60353
Chromosome Location	8q22.3-q23.1
Pathway	Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Ca2+ pathway, organism-specific 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 biosystem; Melanogenesis,
Function	G-protein coupled receptor activity; PDZ domain binding; Wnt-activated receptor activity; Wnt-protein binding; Wnt-protein binding; protein binding; ubiquitin protein ligase binding;

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