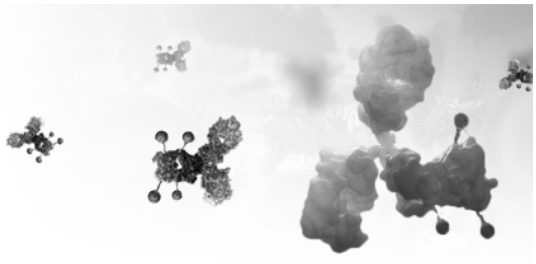

Human SPRY2 peptide (DAG-P1951)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein belonging to the sprouty family. The encoded protein contains a carboxyl-terminal cysteine-rich domain essential for the inhibitory activity on receptor tyrosine kinase signaling proteins and is required for growth factor stimulated translocation of the protein to membrane ruffles. In primary dermal endothelial cells this gene is transiently upregulated in response to fibroblast growth factor two. This protein is indirectly involved in the non-cell autonomous inhibitory effect on fibroblast growth factor two signaling. The protein interacts with Cas-Br-M (murine) ectropic retroviral transforming sequence, and can function as a bimodal regulator of epidermal growth factor receptor/mitogen-activated protein kinase signaling. This protein may play a role in alveoli branching during lung development as shown by a similar mouse protein. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the sprouty family.Contains 1 SPR (sprouty) 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	SPRY2 sprouty homolog 2 (Drosophila) [Homo sapiens (human)]
Official Symbol	SPRY2
Synonyms	SPRY2; sprouty homolog 2 (Drosophila); hSPRY2; protein sprouty homolog 2; spry-2; sprouty

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Entrez Gene ID	10253
mRNA Refseq	NM_005842.2
Protein Refseq	NP_005833.1
UniProt ID	O43597
Chromosome Location	13q31.1
Pathway	Disease, organism-specific biosystem; EGFR downregulation, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; FGF signaling pathway, organism-specific biosystem; Internalization of ErbB1, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; MicroRNAs in cancer, organism-specific biosystem; MicroRNAs in cancer, conserved biosystem; Negative regulation of FGFR signaling, organism-speci
Function	protein binding; protein kinase binding; protein serine/threonine kinase activator activity; protein serine/threonine kinase inhibitor activity;

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