

Recombinant Human SPRY2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SPRY2-3538H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPRY2 MS Standard C13 and N15-labeled recombinant protein (NP_005833) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	34.7 kDa
AA Sequence	MEARAQSGNGSQPLLQTPRDGGRQRGEPDPRDALTQQVHVLSLDQIRAIRNTNEY TEGPTVVPRPGLKPAPRPSTQHKHERLHGLPEHRQPPRLQHSQVHSSARAPLSRSI

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STVSSGSRSSSTRSTSTSSSSSEQRLGSSFSSGPVADGIIRVQPKSELKPGELKPLSK
EDLGLHAYRCEDCGKCKCKECTYPRPLPSDWICDKQCLCSAQNVIDYGTCVCCVK
GLFYHCSNDDNDCADNPCSCSQSHCCTRWSAMGVMSLFLPCLWCYLPKAGCLK
LCQGCYDRVNRPGCRCKNSNTVCCKVPTVPPRNFEKPTTRTRPLEQKLISEEDLAA
NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [SPRY2 sprouty RTK signaling antagonist 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [SPRY2](#)

Synonyms SPRY2; sprouty homolog 2 (Drosophila); sprouty (Drosophila) homolog 2; protein sprouty homolog 2; hSPRY2; spry-2; sprouty 2; MGC23039;

Gene ID [10253](#)

mRNA Refseq [NM_005842](#)

Protein Refseq [NP_005833](#)

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MIM 602466

UniProt ID O43597

SDS-PAGE



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