

Product datasheet for **TP304864**

Sprouty 2 (SPRY2) (NM_005842) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human sprouty homolog 2 (Drosophila) (SPRY2), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC204864 protein sequence
Red=Cloning site **Green**=Tags(s)

MEARAQSGNGSQPLLQTPRDGGRQRGEPDPRDALTQQVHVLSLDQIRAIRNTNEYTEGPTVVRPGLKPA
PRPSTQHKHERLHGLPEHRQPPRLQHSQVHSSARAPLSRSISTVSSGSRSTRTSTSSSSSEQRLGSSF
SSGPVADGIIRVQPKSELKPGELKPLSKEDLGLHAYRCEDCGKCKCKECTYPRPLPSDWICDKQCLCSAQ
NVIDYGTCVCCVKGLFYHCSNDDNDCADNPCSCSQSHCCTRWSAMGVMSLFLPCLWCYLPKAGCLKLCQ
GCYDRVNRPGCRCKNSNTVCKVPTVPPRNFEKPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 34.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_005833](#)

Locus ID: 10253



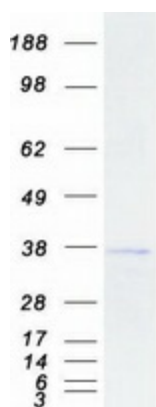
[View online »](#)

UniProt ID: [O43597](#)
RefSeq Size: 2126
Cytogenetics: 13q31.1
RefSeq ORF: 945
Synonyms: hSPRY2; IGAN3

Summary: 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]

Protein Families: Druggable Genome
Protein Pathways: Jak-STAT signaling pathway

Product images:



Coomassie blue staining of purified SPRY2 protein (Cat# TP304864). The protein was produced from HEK293T cells transfected with SPRY2 cDNA clone (Cat# [RC204864]) using MegaTran 2.0 (Cat# [TT210002]).