

Product datasheet for **TP304864M**

Sprouty 2 (SPRY2) (NM_005842) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sprouty homolog 2 (Drosophila) (SPRY2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204864 protein sequence Red =Cloning site Green =Tags(s)

MEARAQSGNGSQPLLQTPRDGGRQRGEPDPRDALTQQVHVLSLDQIRAIRNTNEYTEGPTVVRPGLKPA
PRPSTQHKHERLHGLPEHRQPPRLQHSQVHSSARAPLSRSISTVSSGSRSSSTRSTSSSSSEQRLGSSF
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:	<u>NP_005833</u>
Locus ID:	10253



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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]).