

Product datasheet for PH304864

Sprouty 2 (SPRY2) (NM_005842) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SPRY2 MS Standard C13 and N15-labeled recombinant protein (NP_005833)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204864
Predicted MW:	34.7 kDa
Protein Sequence:	>RC204864 protein sequence Red=Cloning site Green=Tags(s) MEARAQSGNGSQPLLQTPRDGGRQRGEPDPRDALTQQVHVLSLDQIRAIRNTNEYTEGPTVVRPGLKPA PRPSTQHKHERLHGLPEHRQPPRLQHSQVHSSARAPLSRSISTVSSGSRSTRSTSSSSSEQRLGSSF SSGPVADGIIRVQPKSELKPGELKPLSKEDLGLHAYRCEDCGKCKCKECTYRPLPSDWICDKQLCSAQ NVIDYGTCCVCKGLFYHCSNDDNDCADNPCSCSQSHCCTRWSAMGMSLFLPCLWCYLPKAGCLKLCQ GCYDRVNRPGCRCKNSNTVCCKVPTVPPRNFEKPT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005833
RefSeq Size:	2126
RefSeq ORF:	945
Synonyms:	hSPRY2; IGAN3
Locus ID:	10253



[View online »](#)

UniProt ID: [O43597](#)

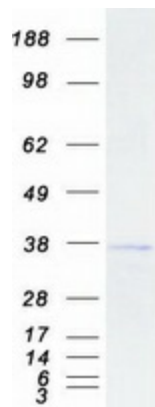
Cytogenetics: 13q31.1

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]).