

Recombinant Human SPRY2 protein, His & T7-tagged

Cat. No. SPRY2-1797H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human SPRY2 aa. (Ser116~Thr305 (Accession # O43597)) fused with N-terminal His & T7 tag was produced in E. coli cells.

Species Human

Source E.coli

ProteinLength Ser116~Thr305

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) ectopic 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.

Form Freeze-dried powder

Molecular Mass Predicted Molecular Mass: 24.6kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	8.3

GENE INFORMATION

Gene Name	SPRY2 sprouty RTK signaling antagonist 2 [Homo sapiens (human)]
Official Symbol	SPRY2
Synonyms	SPRY2; sprouty RTK signaling antagonist 2; IGAN3; hSPRY2; protein sprouty homolog 2
Gene ID	10253

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mRNA Refseq [NM_001318536.1](#)

Protein Refseq [NP_001305465.1](#)

UniProt ID [O43597](#)

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