



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### SPRY2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00010253-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human SPRY2 full-length ORF (AAH15745.1, 1 a.a. - 315 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MEARAQSGNGSQPLLQTPRDGGRQRGEPDPRDALT  
QQVHVLSDLQIRAIRNTNEYTEGPTVVPRPGLKPAPRP  
STQHKHERLHGLPEHRQPRLQHSQVHSSARAPLSR  
SISTVSSGSRSTRSTSSSSSEQRLLGSSFSSGPVAD  
GIIRVQPKSELKPGELKPLSKEDLGLHAYRCEDCGKCK  
CKECTYPRPLPSDWICDKQCLCSAQNVIDYGTCVCCV  
KGLFYHCSNDDNDCADNPCSCSQSHCCTRWSAMG  
VMSLFLPCLWCYLPKAGCLKLCQGCYDRVNRPGCRC  
KNSNTVCCKVPTVPPRNFEKPT

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 60.39

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 10253

**Gene Symbol:** SPRY2

**Gene Alias:** MGC23039, hSPRY2

**Gene 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) 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. [provided by RefSeq]