Protein Sprouty Homolog 2 (SPRY2) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein sprouty homolog 2 (SPRY2), Recombinant Protein
Full Product Name	Recombinant Chicken Protein sprouty homolog 2 (SPRY2)
Product Gene Name	SPRY2 recombinant protein
Product Synonym Gene Name	SPRY2
Sequence	METRVQHGSG SQALLQARRD SGRPHGEPDL RDVLTQQVHI LSLDQIRAIR NTNEYTEGPT VAPRPGVKSA PRSASQPKSE RPHGLPEHRH FGRVQHTQTH ASPRAPLSRS ISTVSTGSRS STRTSTSSNS SEQRLLGSSS GPVADGIVRM QPKSELKSSE LKPLSKEDLG AHSYRCEDCG KCKCKECTYP RTLPSCWICD KQCLCSAQNV VDYGTCVCCV KGLFYHCSND DEDNCADNPC SCSQSHCCTR WSAMGVVSLF LPCLWCYLPA KGCLKLCQGC YDRVNRPGCR CKHSNTVCCK VPSVPPRNFE KPT
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	34,417 Da
Sequence Positions	1-313, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9PTL2
Species	Chicken
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SPRY2 recombinant protein	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.
Other Notes	Small volumes of SPRY2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SPRY2 purchase	MBS1309137 is a recombinant protein targeting SPRY2. Also known as Recombinant Chicken Protein sprouty homolog 2 (SPRY2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPRY2. It may not necessarily be applicable to this product.

NCBI GI #	45382193
NCBI GeneID	395584
NCBI Accession #	NP_990131.1
UniProt Primary Accession #	Q9PTL2
UniProt Related Accession #	Q9PTL2
GenBank Nucleotide #	NM_204800.1
NCBI Official Full Name	protein sprouty homolog 2
NCBI Official Synonym Full Names	sprouty RTK signaling antagonist 2
NCBI Official Symbol	SPRY2
UniProt Protein Name	Protein sprouty homolog 2
Protein Family	Protein sprouty
UniProt Gene Name	SPRY2
UniProt Synonym Gene Names	Spry-2
NCBI Protein Information	protein sprouty homolog 2
UniProt Comments for SPRY2	May play an important role in FGF-mediated patterning of the mid/hindbrain region by acting to modulate the signaling effects of FGF8 through participation in a regulatory negative feedback loop.
Research Articles on SPRY2	**1.** Spry2 function during chick somite myogenesis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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