

## Product datasheet for **AR51150PU-S**

### Sprouty homolog 4 / **SPRY4 (1-299, His-tag) Human Protein**

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Sprouty homolog 4 / SPRY4 (1-299, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMEPPIPQ SAPLTPNSVM VQPLLSRMS HSRLQHPLTI LPIDQVKTSH VENDYIDNPS LALTTGPKRT RGGAPELAPT PARCDQDVTH HWISFSGRPS SVSSSSSTSS DQRLLDHMAP PPVADQASPR AVRIQPKVWH CQPLDLKGA VPPELDKHFL LCEACGKCKC KECASPRTL P SCWVCNQECL CSAQTLVNYG TCMCLVQGIF YHCTNEDDEG SCADHPCSCS RSNCCARWSF MGALSVLPC LLCYLPATGC VKLAQRGYDR LRRPGCRCKH TNSVICKAAS GDAKTSRPAK PF
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	34.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human SPRY4 protein, fused to His-tag at N-terminus, was expressed in E.coli .
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001120968</a>
<b>Locus ID:</b>	81848
<b>UniProt ID:</b>	<a href="#">Q9C004</a>
<b>Cytogenetics:</b>	5q31.3



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**Synonyms:** Spry-4, Sprouty 4

**Summary:** This gene encodes a member of a family of cysteine- and proline-rich proteins. The encoded protein is an inhibitor of the receptor-transduced mitogen-activated protein kinase (MAPK) signaling pathway. Activity of this protein impairs the formation of active GTP-RAS. Nucleotide variation in this gene has been associated with hypogonadotropic hypogonadism 17 with or without anosmia. Alternative splicing results in a multiple transcript variants. [provided by RefSeq, Jun 2014]

**Protein Pathways:** Jak-STAT signaling pathway

**Product images:**

