

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

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Sprouty homolog 4 / SPRY4 (1-299, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMEPPIPQ SAPLTPNSVM VQPLLSRMS HSRLQHPLTI LPIDQVKTSV VENDYIDNPS LALTGPKRT RGGAPLAPT PARCDQDVTH HWISFSGRPS SVSSSSSTSS DQRLLDHMAP PPVADQASPR AVRIQPKVVH CQPLDLKGPA VPPELDKHFL LCEACGKCKC KECASPRTL SCWVCNQECL CSAQTLVNYG TCMCLVQGIF YHCTNEDDEG SCADHPCSCS RSNCCARWSF MGALSVLPC LLCYLPATGC VKLAQRGYDR LRRPGCRCKH TNSVICKAAS GDAKTSRPAK PF
Tag:	His-tag
Predicted MW:	34.9 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SPRY4 protein, fused to His-tag at N-terminus, was expressed in E.coli .
Storage:	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.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001120968</a>
Locus ID:	81848
UniProt ID:	<a href="#">Q9C004</a>
Cytogenetics:	5q31.3
Synonyms:	HH17


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**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:**
