

## Product datasheet for **AR51673PU-S**

### SPRED1 (1-444, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SPRED1 (1-444, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSEETAT SDNDNSYARV RAWMTRDDS SGGWLPLGGS GLSSVTVFKV PHQEENGCAD FFIRGERLRD KMWVLECMLK KDLIYNKVTP TFHHWKIDDK KFGTLFQSPA DARAFDRGIR RAIEDISQGC PESKNEAEGA DDLQANEEDS SSSLVKDHLF QQETVVTSEP YRSSNIRPSP FEDLNARRVY MQSQANQITF GQPGLDIQSR SMEYVQRQIS KECGSLKSQN RVPLKSIRHV SFQDEDEIVR INPRDILIRR YADYRHPDMW KNDLERDDAD SSIQFSKPDS KKS DYLYSCG DETKLSSPKD SVVFKTQSS LKIKKSKRRK EDGERSRCVY CQERFNHEEN VRGKQCQAPD PIKRCIQVS CMLCAESMLY HCMSDSEGDF SDPCSCDTS DDKFCLRWLAL VALSFIVPCM CCYVPLRMCH RCGEACGCCG GKHKAAG
Tag:	His-tag
Predicted MW:	52.9 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl (pH 8.0) containing 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SPRED1 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_689807</a>
Locus ID:	161742
UniProt ID:	<a href="#">Q7Z699</a>
Cytogenetics:	15q14



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**Synonyms:** hSpred1; LGSS; NFLS; PPP1R147; spred-1

**Summary:** The protein encoded by this gene is a member of the Sprouty family of proteins and is phosphorylated by tyrosine kinase in response to several growth factors. The encoded protein can act as a homodimer or as a heterodimer with SPRED2 to regulate activation of the MAP kinase cascade. Defects in this gene are a cause of neurofibromatosis type 1-like syndrome (NFLS). [provided by RefSeq, Jul 2008]

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

**Product images:**

