

AR51673PU-N

Human SPRED1 (1-444, His-tag) - Purified

Alternate names:	EVH1/Sprouty domain containing protein, NFLS, Spred-1, Suppressor of Ras/MAPK activation
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	SPRED1 is a member of the Sprouty family of proteins and is phosphorylated by tyrosine kinase in response to several growth factors. This 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).
Uniprot ID:	Q7Z699
NCBI:	NP_689807
GeneID:	161742
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >80% by SDS - PAGE Buffer System: 20 mM Tris-HCl (pH 8.0) containing 10% glycerol.
Description:	Recombinant human SPRED1 protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMSSEETAT SDNDNSYARV RAVVMTRDDS SGGWLPLGGS GLSSVTVEFKV PHQEENGCAD FFIRGERLRD KVVVLECMK KDLIYNKVTP TFHHWKIDDK KFGLTFQSPA DARAFDRGIR RAIEDISQGC PESKNEAEGA DDLQANEEDS SSSLVKDHLF QQETVVTSEP YRSSNIRPSP FEDLNARRVY MQSQANQITF GQPGLDIQR SMEYVQRQIS KECGSLKSQN RVPLKSIRHV SFQDEDEIVR INPRDILIRR YADYRHPDMW KNDLERDDAD SSIQFSKPDS KKS DYLYSCG DETKLSSPKD SVVFKTQPSS LKIKKSKRRK EDGERSRCVY CQERFNHEEN VRGKCQDAPD PIKRCIQVS CMLCAESMLY HCMSDSEGDF SDPCSCDTS DKFCLRWLAL VALSFIVPCM CCYVPLRMCH RCGEACGCCG GKHKAAG Molecular weight: 52.9 kDa (467aa)
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. Shelf life: one year from despatch.
General Readings:	Nonami A., et al. (2005) Genes Cells 10:887-895. King J.A.J., et al. (2005) Biochem. J. 388:445-454.

Pictures:

