



Recombinant Human Sprouty-related, EVH1 domain-containing protein 1 (SPRED1)

Product Code	CSB-EP773600HU-B
Abbreviation	SPRED1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q7Z699
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SEETATSDN DNSYARVRAV VMTRDDSSGG WLPLGGGSLG SVTVFKVPHQ EENGCAFFI RGERLRDKMV VLECMLKKDL IYNKVTPTFH HWKIDDKKFG LTFQSPADAR AFDRGIRRAI EDISQGCPEK KNEAEGADDL QANEEDSSSS LVKDHLFQQE TVVTSEPYRS SNIRPSPFED LNARRVYMQS QANQITFGQP GLDIQSRSM YVQRQISKEC GSLKSQNRVP LKSIRHVSFQ DEDEIVRINP RDILIRRYAD YRHPDMWKND LERDDADSSI QFSKPDSKKS DYLYSCGDET KLSSPKDSV FKTQPSSLKI KSKRRKEDG ERSRCVYCQE RFNHEENVRG KCQDAPDPIK RCIYQVSCML CAESMLYHCM SDSEGDFSDP CSCDTSDDKF CLRWLALVAL SFIVPCMCCY VPLRMCHRCG EACGCCGGKH KAAG
Source	E.coli
Target Names	SPRED1
Protein Names	Recommended name: Sprouty-related, EVH1 domain-containing protein 1 Short name= Spred-1 Short name= hSpred1
Expression Region	2-444
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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).
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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