



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

<b>Product Code</b>	CSB-EP773600HU-B
<b>Abbreviation</b>	SPRED1
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q7Z699
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SEETATSDN DNSYARVRV VMTRDDSSGG WLPLGGGSL SVTVFKVPHQ EENGCAFFI RGERLRDKMV VLECMLKKDL IYNKVTPTFH HWKIDDKKFG LTFQSPADAR AFDRGIRRAI EDISQGCPES KNEAEGADDL QANEEDSSSS LVKDHLFQQE TVVTSEPYRS SNIRPSPFED LNARRVYMQS QANQITFGQP GLDIQSRSM YVQRQISKEC GSLKSQNRVP LKSIRHVSFQ DEDEIVRINP RDILIRRYAD YRHPDMWKND LERDDADSSI QFSKPDSKKS DYLYSCGDET KLSSPKDSVV FKTQPSSLKI KSKRRKEDG ERSRCVYCQE RFNHEENVRG KCQDAPDPIK RCIYQVSCML CAESMLYHCM SDSEGDFSDP CSCDTSDDKF CLRWLALVAL SFIVPCMCCY VPLRMCHRCG EACGCCGGKH KAAG
<b>Source</b>	E.coli
<b>Target Names</b>	SPRED1
<b>Protein Names</b>	Recommended name: Sprouty-related, EVH1 domain-containing protein 1 Short name= Spred-1 Short name= hSpred1
<b>Expression Region</b>	2-444
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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).
<b>Reconstitution</b>	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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