

SPRED1, 1-444aa, Human, His tag, E.coli

Cat.NO.: TP04022

3th Edition

Synonyms: Sprouty-related, EVH1 domain-containing protein 1, hSpred1, NFLS, spread-1

Description: 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). Recombinant human SPRED1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form: Liquid. In 20mM Tris-HCl (pH 8.0) containing 10% glycerol

Molecular Weight: 52.9 kDa (467aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMSEETATSDNDNSYARVRAVVMTRDDSSGGWLPLGGSGLSSVTVFKVPHQ
EENGCAFFIRGERLRDKMVVLECMKKDLIYNKVTPTFFHHWKIDDKKFGGLTFQSPADARAFDRGIRRAIEDISQGC
PESKNEAEGADDLQANEEDSSSSLVKDHLFQQETVVTSEPYRSSNIRPSPFEDLNARRVYMQSQANQITFGQPGL
DIQSRSM EYVQRQISKECGSLKSQNRVPLKSIRHVSFQDEDEIVRINPRDILIRRYADYRHPDMWKNDLERDDADSS
IQFSKPDSKSDYLYSCGDETKLSSPKDSVVFKTQPSSLKIKKSKRRKEDGERSRCVYCQERFNHEENVRGKQCQD
APDPIKRCIYQVSCMLCAESMLYHCMSDSEGDFSDPCSCDTSDDKFCLRWLALVALSFIVPCMCCYVPLRMCHRC
GEACGCCGGKHKAAG

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.