

Recombinant human SPRED1 protein

Catalog Number: ATGP2853

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-444aa

UniProt No.

Q7Z699

NCBI Accession No.

NP_689807

Alternative Names

Sprouty-related EVH1 domain-containing protein 1, Sprouty-related, EVH1 domain-containing protein 1, hSpred1, NFLS, spred-1

PRODUCT SPECIFICATION

Molecular Weight

52.9 kDa (467aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

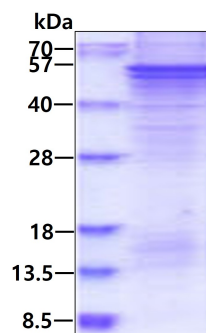
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PESKNEAEGA DDLQANEEDS SSSLVKDHLF QQETVVTSEP YRSSNIRPSP FEDLNARRVY MQSQANQITF GQPGLDIQSR
SMEYVQRQIS KECGSLKSN RVPLKSIRHV SFQDEDEIVR INPRDILIRR YADYRHPDMW KNDLERDDAD SSIQFSKPDS
KKSDYLYSCG DETKLSSPKD SVVFKTQPSS LKIKKSKRRK EDGERSRCVY CQERFNHEEN VRGKCQDAPD PIKRCIQVS
CMLCAESMLY HCMSDSEGDF SDPCSCDTS DFKFLRWLAL VALSFIVPCM CCYVPLRMCH RCGEACGCCG GKHKAAAG

General References

Nonami A., et al. (2005) Genes Cells 10:887-895.
King J.A.J., et al. (2005) Biochem. J. 388:445-454.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.