
Product Data Sheet

Product Name: SPRED1 Human
 Cat. No.: GP24688
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Sprouty-Related EVH1 Domain Containing 1; SPRED1; Spred-1; hSpred1; NFLS.		
Amino Acid Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSMSEETAT SDNDNSYARV RAVVMTRDDS SGGWLPLGGS GLSSVTVFKV PHQEENGCAD FFIRGERLRD KMVVLECMK KDLYNKVTP TFHHWKIDDK KFGLTFQSPA DARAFDRGIR RAIEDISQGC PESKNEAEGA DDLQANEEDS SSSLVKDHLF QQETVVTSEP YRSSNIRPSP FEDLNARRVY MQSQANQITF GQPLDIQSR SMEYVQRQIS KECGSLKSQN RVPLKSIRHV SFQDEDEIVR INPRDILIRR YADYRHPDMW KNDLERDDAD SSIQFSKPDS KKS DYLYSCG DETKLSSPKD SVVFKTQPSS LKIKKSKRRK EDGERSRCVY CQERFNHEEN VRGKCQDAPD PIKRCIQVS CMLCAESMLY HCMSDSEGDF SDPCSCDTS DFKCLRWLAL VALSFIVPCM CCYVPLRMCH RCGEACGCCG GKHKAAG.</p>		
Formulation	The SPRED1 solution (0.5mg/1ml) contains 20mM Tris-HCl (pH 8.0) and 10% glycerol.		

Introduction

Sprouty-Related EVH1 Domain Containing 1, also known as SPRED1, is a part of the Sprouty family of proteins and is phosphorylated by tyrosine kinase. SPRED1 inhibits growth-factor-mediated activation of MAP kinase. SPRED1 plays a role as a homodimer or as a heterodimer with SPRED2 to regulate activation of the MAP kinase cascade. SPRED1 is a negative regulator of hematopoiesis of bone marrow.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SPRED1 Human Recombinant produced in E. coli is a single polypeptide chain containing 467 amino acids (1-444) and having a molecular mass of 52.9kDa. SPRED1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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