
Product Data Sheet

Product Name: SPRY4 Human
 Cat. No.: GP24690
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein sprouty homolog 4; SPRY4; Sprouty Homolog 4; Spry-4; Protein sprouty homolog 4 isoform 2; Sprouty homolog 4 (Drosophila).		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEPIPIQ SAPLTPNSVM VQPLLSRMS HSRLQHPLTI LPIDQVKTSV VENDYIDNPS LALTTGPKRT RGGAPLAPT PARCDQDVTH HWISFSGRPS SVSSSSSTSS DQRLLDHMAP PPVADQASPR AVRIQPKVVH CQPLDLKGPA VPELDKHFL LCEACGKCKC KECASPRTL SCWVCNQECL CSAQTLVNYG TCMCLVQGIF YHCTNEDDEG SCADHPCSCS RSNCCARWSF MGALSVLPC LLCYLPATGC VKLAQRGYDR LRRPGCRCKH TNSVICKAAS GDAKTSRPDK PF.		
Formulation	The SPRY4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

Sprouty Homolog 4 (SPRY4) is an inhibitor of the receptor-transduced mitogen-activated protein kinase (MAPK) signaling pathway. SPRY4 is positioned upstream of RAS activation. SPRY4 protein functions include suppressing the EGFR-transduced MAPK signaling pathway as well as impairing the formation of GTP-Ras.

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

Background

SPRY4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 322 amino acids (1-299) and having a molecular mass of 34.9

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

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kDa.SPRY4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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