

SPRY4, 1-299aa, Human, His tag, E.coli

Cat.NO.: TP04023

3th Edition

Synonyms:Protein sprouty homolog 4 isoform 2 , Sprouty homolog 4 (Drosophila)

Description:SPRY4 is an inhibitor of the receptor-transduced mitogen-activated protein kinase (MAPK) signaling pathway. It is positioned upstream of RAS (see HRAS; MIM 190020) activation and impairs the formation of active GTP-RAS. Recombinant human SPRY4 protein, fused to His-tag at N-terminus, was expressed in E.coli .

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight:34.9 kDa (322aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMPEPIPQSAPLTPNSVMVQPLLD SRMSHSRLQHPLTILPIDQVKTSHVENDYI
DNPSLALTTGPKRTRGGAPELAPTPARCDQDVTHHWISFSGRPSSVSSSSSTSSDQRLLDHMAPPVADQASPR
VRIQPKVVHCQPLDLKGPVPELDKHFLLCEACGKCKCKECASPRTL PSCWVCNQECLCSAQTLVNYGTCMCLV
QGIFYHCTNEDDEGSCADHPCSCSRSNCCARWSFMGALSVVLPCLLCYLPATGCVKLAQRGYDRLRRPGCRCKH
TNSVICKAASGDAKTSRDPKPF

Purity:> 95% by HPLC

Concentration:1mg/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.