
Product Data Sheet

Product Name: STAC Human
 Cat. No.: GP24710
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SH3 and cysteine rich domain; STAC; STAC1; SH3 and cysteine-rich domain-containing protein; Src homology 3 and cysteine-rich domain-containing protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMIPPSSP REDGVDGLPK EAVGAEQPPS PASTSSQESK LQKLRSLSF KTKSLRSKSA DNFFQRTNSE DMKLQAHMVA EISPSSSPLP APGSLTSTPA RAGLHPGGKA HAFQEYIFKK PTFCDVCNHM IVGTNAKHGL RCKACKMSIH HKCTDGLAPQ RCMGKLPKGF RRYYSSPLLI HEQFGCIKEV MPIACGNKVD PVYETLRFGT SLAQRTRKKS GS GSGSDSPHR TSTSDLVEVP EEANGPGGGY DLRKRSNSVF TYPENGTDDF RDKPAKNINHQ GSKDPLQM NTYVALYKFV PQENEDLEMR PGDIITLLED SNEDWWKGKI QDRIGFFPAN FVQRLQQNEK IFRCVTRFIG CKEQGQITLK ENQICVSSEE EQDGFIRVLS GKKKGLIPLD VLENI.		
Formulation	STAC protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

SH3 and Cysteine Rich Domain, which is also known as STAC, holds one phorbol-ester/DAG-type zinc finger and one SH3 domain. STAC takes part in a neuron-specific signal transduction.

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

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

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STAC Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 425 amino acids (1-402 a.a.) and having a molecular mass of 46.9kDa. STAC is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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