
Product Data Sheet

Product Name: ARPC3 Human
 Cat. No.: GP22782
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ARC21; p21-Arc; Actin-related protein 2/3 complex subunit 3; Arp2/3 complex 21 kDa subunit; ARPC3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSM PAYHSS LMDPDTKLIG NMALLPIRSQ FKGPAPRETK DTDIVDEAIY YFKANVFFKN YEIKNEADRT LIYITLYISE CLKKLQKCNS KSQGEKEMYT LGITNFPIPG EPGFPLNAIY AKPANKQEDE VMRAYLQQLR QETGLRLCEK VFDPQNDKPS KWWTCFVKRQ FMNKSLSGPG Q.		
Formulation	ARPC3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% glycerol and 1mM DTT.		

Introduction

Actin-related protein 2/3 complex subunit 3 (ARPC3) which belongs to the ARPC3 family is one of 7 subunits of the human Arp2/3 protein complex. The Arp2/3 complex is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks. ARPC3 which is localized to the cytoplasm and cytoskeleton, interacts with p20-ARC and takes part in the structural integrity of the protein complex.

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

ARPC3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 201 amino acids (1-178 a.a) and having a molecular mass of 22.9kDa. ARPC3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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