

ACTN1 Human

Actinin Alpha 1 Human Recombinant
RCP0010

Product Overview

Name ACTN1 Human

Description

Actinin Alpha 1 Human Recombinant

Accession (Primary) [P12814](#)

Synonyms

ARP3 Actin-Related Protein 3 Homolog (Yeast), ARP3, Actin-Like Protein 3, ARP3 (Actin-Related Protein 3, Yeast) Homolog, Actin-Related Protein 3.

Introduction

ARP3 Actin-Related Protein 3, also known as ACTR3, belongs to the actin family. The specific function of ACTR3 has not been established yet. On the other hand, ACTR3 is identified as being a major constituent of the ARP2/3 complex. In addition, this complex is located at the cell surface and vital to cell shape & motility through lamellipodial actin assembly and protrusion. 3 transcript variants encoding 2 different isoforms have been discovered for ACTR3.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

ACTR3 protein solution (0.25 mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

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.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSSLVPRGSH MGS MAGRLPA CVVDCGTGYT KLG YAGNTEP QFIIPSCIAI KESAKVGDQA
QRRVMKGVDD LDFFIGDEAI EKPTYATKWP IRHGIVEDWD LMERFMEQVI FKYLRAEPED HYFLLTEPPL
NTPENREYTA EIMFESFNVP GLYIAVQAVL ALAASWTSRQ VGERTLTGTV IDSGDGVTHV IPVAEGYVIG
SCIKHIPIAG RDITYFIQQL LRDREVGIPP EQSLETAKAV KERYSYVCPD LVKEFNKYDT DGSKWIKQYT

GINAISKKEF SIDVGYERFL GPEIFFHPEF ANPDFTQPIS EVVDEVIQNC PIDVRRPLYK NIVLSGGSTM
FRDFGRRLQR DLKRTVDARL KLSEELSGGR LKPKPIDVQV ITHMQRYAV WFGGSMLAST PEFYQVCHTK
KDYEEIGPSI CRHNPVFGVM S.

Precautions

ACTN1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P12814](#))