9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Cardiac Actin Bovine

Cardiac Actin Bovine
RCP0341

Product Overview

Name	Cardiac Actin Bovine

Description

Cardiac Actin Bovine

Accession (Primary)	Q3ZC07

Synonyms

Actin alpha cardiac muscle 1, Alpha-cardiac actin, ACTC1, ACTC.

Introduction

Alpha-cardiac actin belongs to the actin family which is comprised of three main groups of actin isoforms, alpha, beta, and gamma. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. Defects in the cardiac actin have been associated with idiopathic dilated cardiomyopathy (IDC) and familial hypertrophic cardiomyopathy (FHC).

Source

Bovine Heart.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized from a 1mg/ml solution containing 10mM Tris-acetate buffer pH 8.0, 0.2mM CaCl2, 0.2mM ATP, 1mM DTT and 0.5% SDS.

Stability

Lyophilized Cardiac-Actin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Cardiac Actin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility

It is recommended to reconstitute the lyophilized Cardiac Actin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Applications

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Protein standard in 1D and 2D SDS gelelectrophoresis Immunoassays Immunization.

Precautions

Cardiac Actin Bovine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q3ZC07)