

Active Native bovine ACTC1

Cat. No. ACTC1-166B **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Bovine
Source	Bovine Heart
Description	Protein standard for immunoblotting, immunization and immunoassays.
Form	lyophilized, purified
Bio-activity	≤ 1 ng/ml for half maximum stimulation of cell proliferation with bovine aortic endothelial cells (BAE cells).
Molecular Mass	43 kD
Purity	>98%
Storage	At 2-8 centigrade (lyoph.); at -20 centigrade (reconstituted)
Reconstitution	Reconstitute with 0.1 mL dist. water; after reconstitution solution contains 10 mM Tris/acetate buffer pH 8.0, 0.2mM CaCl ₂ , 0.2 mM ATP, 1 mM DTT, 0.5% SDS. Protein concentration:

GENE INFORMATION

Gene Name	ACTC1 actin, alpha, cardiac muscle 1 [Bos taurus]
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Official Symbol	ACTC1
Synonyms	ACTC; actin, alpha cardiac muscle 1; alpha-cardiac actin
Gene ID	533219
mRNA Refseq	NM_001034585
Protein Refseq	NP_001029757
UniProt ID	Q3ZC07
Chromosome Location	chromosome: 10
Pathway	Adrenergic signaling in cardiomyocytes, organism-specific biosystem; Adrenergic signaling in cardiomyocytes, conserved biosystem; Cardiac muscle contraction, conserved biosystem
Function	ATP binding; ATPase activity; myosin binding

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