

## Active Native bovine ACTC1

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

### SPECIFICATION

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

### GENE INFORMATION

**Gene Name** ACTC1 actin, alpha, cardiac muscle 1 [ Bos taurus ]

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Official Symbol</b>	ACTC1
<b>Synonyms</b>	ACTC; actin, alpha cardiac muscle 1; alpha-cardiac actin
<b>Gene ID</b>	<a href="#">533219</a>
<b>mRNA Refseq</b>	<a href="#">NM_001034585</a>
<b>Protein Refseq</b>	<a href="#">NP_001029757</a>
<b>UniProt ID</b>	<a href="#">Q3ZC07</a>
<b>Chromosome Location</b>	chromosome: 10
<b>Pathway</b>	Adrenergic signaling in cardiomyocytes, organism-specific biosystem; Adrenergic signaling in cardiomyocytes, conserved biosystem; Cardiac muscle contraction, conserved biosystem
<b>Function</b>	ATP binding; ATPase activity; myosin binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA