Native Human Cardiac Actin Active

Catalog No.	CRA168-10	**Quantity:**	10 µg
	CRA168-50		50 µg
	CRA168A		100 µg
	CRA168B		1.0 mg

Alternate Names: ACTC, ASD5, CMD1R, CMH11, LVNC4, ACTC1

Description: Native Human Cardiac Actin.
The actin family is comprised of 3 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. The beta and gamma actins coexist in most cell types as components of the cytoskeleton. Defects in this gene have been associated with idiopathic dilated cardiomyopathy (IDC) and familial hypertrophic cardiomyopathy (FHC).

Concentration: 1 mg/ml

Source: Human Heart

Formulation: Lyophilized from a solution containing 20 mM Tris + 0.2 M NaCl + 1 mM ATP

Endotoxin Level: < 0.1 ng/µg of protein.

Biological Activity: Sample tested positive for Muscle Actin activity by Western blot.

Reconstitution: Reconstitute with neutral buffer or deionized water.

Note: Concentration is based on Absorbance at 280 nM.

Storage & Stability: Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and freeze at -20°C. **Avoid repeated freeze-thaw cycles.**

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