

Datasheet for ABIN2468208

Actin, gamma 1 Protein (ACTG1) (AA 1-375)**1** Image[Go to Product page](#)

Overview

Quantity:	0.05 mg
Target:	Actin, gamma 1 (ACTG1)
Protein Characteristics:	AA 1-375
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	Western Blotting (WB), ELISA, Mass Spectrometry (MS)

Product Details

Purity:	>95 %
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Target Details

Target:	Actin, gamma 1 (ACTG1)
Alternative Name:	ACTG1 (ACTG1 Products)
Background:	<p>Actins are highly conserved proteins that are involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, α beta and γ, have been identified. The α actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and γ, actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, γ, 1, encoded by this gene, is a cytoplasmic actin found in nonmuscle cells.</p> <p>FUNCTION: Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.</p>

Target Details

SUBUNIT: Polymerization of globular actin (G-actin) leads to a structural filament (F-actin) in the form of a two-stranded helix. Each actin can bind to 4 others.

Molecular Weight: 41.8 kDa (Calculated)

Gene ID: 71

NCBI Accession: [NP_001605](#)

OMIM: 4501887

UniProt: [P63261](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Cell-Cell Junction Organization](#)

Application Details

Application Notes: This recombinant protein can be used for WB, ELISA, MS.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 10 mM Tris, pH 8.0, 0.1 % Triton X-100, 0.002 % NaN

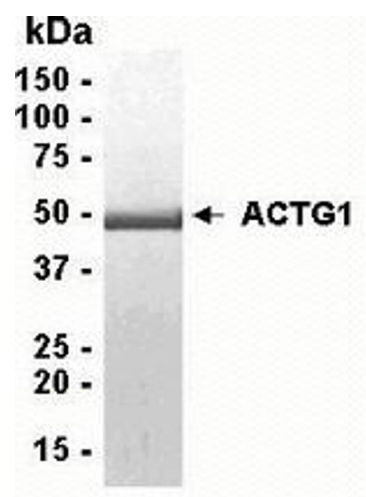
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Storage: -80 °C

Storage Comment: Store in working aliquots at -70 °C.



Western Blotting

Image 1.