

ACTG1 Human

Description: Actin Gamma 1 Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain containing amino acids (1-375) and having a total molecular mass of 41.8 kda. ACTG1 contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.

Catalog #: PRPS-384

For research use only.

Synonyms: Actin cytoplasmic 2, Gamma-actin, ACTG1, ACTG, ACT, DFNA20, DFNA26, Actin Gamma 1.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

Actin Gamma 1 at a concentration of 2 mg/ml in 10mM Tris, pH 8.0, 0.1% Triton X-100 and 0.002% NaN₃.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 1, encoded by this gene, is a cytoplasmic actin found in nonmuscle cells.

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