

## ACTL6A Human

**Description:** Actin-Like 6A Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain containing 430 (1-429) amino acids and having a total molecular mass of 49.3 kda. ACTL6A contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-386

For research use only.

**Synonyms:** Actin-like protein 6A, 53 kDa BRG1-associated factor A, Actin-related protein Baf53a, ArpNbeta, ACTL6A, ACTL6, BAF53A, MGC5382.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Formulation:**

Actin Like 6A at a concentration of 0.1mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol.

**Stability:**

ACTL6A although stable at 4°C for 1 week, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent 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:**

The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene encodes a 53 kDa subunit protein of the BAF (BRG1/brm-associated factor) complex in mammals, which is functionally related to SWI/SNF complex in *S. cerevisiae* and *Drosophila*; the latter is thought to facilitate transcriptional activation of specific genes by antagonizing chromatin-mediated transcriptional repression. Together with beta-actin, it is required for maximal ATPase activity of BRG1, and for the association of the BAF complex with chromatin/matrix.

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