

Recombinant Human Actin-like 6A, T7-tagged

Cat. No. ACTL6A-61H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Actin-like 6A produced in <i>E. Coli</i> contains T7 tag at N-terminus and is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Description	The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene encodes a 53kDa subunit protein of the BAF (BRG1/brm-associated factor) complex in mammals, which is functionally related to SWI/SNF complex in <i>S. cerevisiae</i> and <i>Drosophila</i>; 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. Recombinant Human ACTL6A produced in <i>E. Coli</i> is a non-glycosylated, polypeptide chain containing 430 (1-429) amino acids and having a total molecular mass of 49.3 kDa.
Physical Appearance	Sterile Filtered clear solution.
Formulation	Recombinant Human Actin Like 6A at a concentration of 0.1mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol.
Applications	• ELISA • Inhibition Assays • Western Blotting.

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Storage

rhACTL6A although stable at 14°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.

GENE INFORMATION
Gene Name

ACTL6A actin-like 6A [Homo sapiens]

Synonyms

actin-like 6A; BAF53; hArpN beta; BRG1-associated factor; INO80 complex subunit K; actin-related protein 4; BAF complex 53 kDa subunit; Arp4; ACTL6; BAF53A; INO80K; MGC5382; ARPN-BETA; ACTL6A; Actin-like protein 6A; 53 kDa BRG1-associated factor A; Actin-related protein Baf53a; ArpNbeta; INO80 complex subunit K

Gene ID

86

mRNA Refseq

NM_004301

Protein Refseq

NP_004292

MIM

604958

UniProt ID

O96019

Chromosome Location

3q26.33

Function

ATP binding; chromatin binding; protein binding

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