



Product Datasheet

Product Name	Actin-Like 6A Human Recombinant
Cata No	CB501000
Source	<i>Escherichia Coli.</i>
Synonyms	Actin-like protein 6A, 53 kDa BRG1-associated factor A, Actin-related protein Baf53a, ArpNbeta, ACTL6A, ACTL6, BAF53A, MGC5382.

Description

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.

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.

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.

Applications

- ELISA
- Inhibition Assays
- Western Blotting