

Recombinant Human ACTL6B, His-tagged

Cat. No. ACTL6B-26300TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 5-282 of Human BAF53b with an N terminal His tag. Predicted mwt: 32 kDa;
Species	Human
Source	E.coli
ProteinLength	5-282 a.a.
Description	The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene encodes a subunit 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. This subunit may be involved in the regulation of genes by structural modulation of their chromatin, specifically in the brain.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 90 µl aqua dest.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Sequences of amino acids	VYGGDEVGALVFDIGSFSVRAGYAGEDCPKADFPTTVGLL AAEEGGGLELEGDKEK KGKIFHIDTNALHVPRDGAUEVM SPLKNGMIEDWECFRAILDHTYSKHVKSEPNLHPV LMSEA PWNTRAKREKLTELMFEQYNIPAFFLCKTAVLTAFANG RSTGLVLDSGATH TTAIPVHDGYVLQQGIVKSPLAGDF ISMQCRELFQEMAIIDIPPYMIAAKEPVREGAP PNWKKKE KLPQVSKSWHNYMCNEVIQDFQASVLQVSDSPYDEQVA AQMPTV

GENE INFORMATION

Gene Name	ACTL6B actin-like 6B [Homo sapiens]
Official Symbol	ACTL6B
Synonyms	ACTL6B; actin-like 6B; actin like 6 , ACTL6; actin-like protein 6B; BAF53B;
Gene ID	51412
mRNA Refseq	NM_016188
Protein Refseq	NP_057272
MIM	612458
Uniprot ID	O94805
Chromosome Location	7q22

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Function

ATP binding; structural constituent of cytoskeleton; transcription coactivator activity;

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