

## Recombinant Human ACTL6B, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 5-282 of Human BAF53b with an N terminal His tag. Predicted mwt: 32 kDa;
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	5-282 a.a.
<b>Description</b>	<p>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.</p>
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:Reconstitute with 90 µl aqua dest.

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<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	VYGGDEVGALVFDIGSFSVRAGYAGEDCPKADFPTTVGLL AAEEGGGLELEGDKEK KGKIFHIDTNALHVPRDGA EVM SPLKNGMIEDWECFRAILDHTYSKHVKSEPNLHPV LMSEA PWNTRAKREKLT ELMFEQYNIPAFFLCKTAVLTAFANG RSTGLVLD SGATH TTAIPVHDGYVLQQGIVKSP LAGDF ISMQCRELFQEMAIIDIIPPYMIAAKEPVREGAP PNWKKKE KLPQVSKSWHNYMCNEVIQDFQASVLQVSDSPYDEQVA AQMPTV

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ACTL6B actin-like 6B [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">ACTL6B</a>
<b>Synonyms</b>	ACTL6B; actin-like 6B; actin like 6 , ACTL6; actin-like protein 6B; BAF53B;
<b>Gene ID</b>	<a href="#">51412</a>
<b>mRNA Refseq</b>	<a href="#">NM_016188</a>
<b>Protein Refseq</b>	<a href="#">NP_057272</a>
<b>MIM</b>	<a href="#">612458</a>
<b>Uniprot ID</b>	<a href="#">O94805</a>
<b>Chromosome Location</b>	7q22

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**Function**

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

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