

Recombinant Full Length Human ACTL6B Protein, GST-tagged

Cat. No. ACTL6B-846HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACTL6B full-length ORF (NP_057272.1, 1 a.a. - 426 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	426 amino acids
Description	<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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]</p>
Molecular Mass	73.3 kDa
AA Sequence	MSGGVYGGDE VGALVFDIGS FSVRAGYAGE DCPKADFPTT VGLLAAEEGG

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GLELEGDKEK KGKIFHIDTN ALHVPRDGAE VMSPLKNGMI EDWECFRIL
 DHTYSKHKVKS EPNLHPVLMS EAPWNTRAKR EKLTELMFEQ YNIPAFFLCK
 TAVLTAFANG RSTGLVLDSG ATHTTAIPVH DGYVLQQGIV KSPLAGDFIS
 MQCRELFQEM AIDIIPPYMI AAKEPVREGA PPNWKKKEKL PQVSKSWHNY
 MCNEVIQDFQ ASVLQVSDSP YDEQVAAQMP TVHYEMPNGY NTDYGAERLR
 IPEGLFDPNS VKGLSGNTML GVGHVVTTSI GMCDIDIRPG LYGSVIVTGG
 NTLLQGFTDR LNRELSQKTP PSMRLKLIAS NSTMERKFSP WIGGSILASL
 GTFQQMWISK QEYEEGGKQC VERKCP

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; arpNalpha; hArpN alpha; actin-like 6; BRG1-associated factor 53B; actin-related protein Baf53b; 53 kDa BRG1-associated factor B; ACTL6
Gene ID	51412
mRNA Refseq	NM_016188



Protein Refseq NP_057272

MIM 612458

UniProt ID O94805

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