

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	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]
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
IPEGLFDPSN 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](#)

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Protein Refseq	NP_057272
MIM	612458
UniProt ID	O94805

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