

Recombinant Human ACTL6B Protein, GST-tagged

Cat. No. ACTL6B-223H **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	Wheat Germ
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	MSGGVYGGDEVGALVFDIGSFSVRAGYAGEDCPKADFPTTVGLLAAEEGGGLELE GDKEKKGKIFHIDTNALHVP RDGAEVMSPLKNGMIEDWECFRAILDHTYSKHVKSEP

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NLHPVLMSEAPWNTRAKREKLTLMFEQYNIPAFFLCKTAVLTAFANGRSTGLVLDS
 GATHTTAIPVHDGYVLQQGIVKSPLAGDFISMQCRELFQEMAIIDIIPPYMIAAKEPVRE
 GAPPNWKKKEKLPQVSKSWHNYMCNEVIQDFQASVLQVSDSPYDEQVAAQMPTV
 HYEMPNGYNTDYGAERLRIPEGLFDPSNVKGLSGNTMLGVGHVVTTSIGMCDIDIRP
 GLYGSVIVTGGNTLLQGFTDRLNRELSQKTPPSMRLKLIASNSTMERKFSPWIGGSIL
 ASLGTFQQMWISKQEYEEGGKQCVERKCP

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

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
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UniProt ID	O94805

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