

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	<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	MSGGVYGGDEVGALVFDIGSFSVRAGYAGEDCPKADFPTTVGLLAAEEGGGLELE GDKEKKGKIFHIDTNALHVPRDGAEVMSPLKNGMIEDWECFRAILDHTYSKHVKSEP

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NLHPVLMSEAPWNTRAKREKLTLMFEQYNIPAFFLCKTAVLTAFANGRSTGLVLDS
 GATHTTAIPVHDGYVLQQGIVKSPLAGDFISMQCRELFQEMAIDIIPPYMIAAKEPVE
 GAPPNWKKKEKLPQVSKSWHNYMCNEVIQDFQASVLQVSDSPYDEQVAAQMPTV
 HYEMPNGYNTDYGAERLRRIPEGLFDPSNVKGLSGNTMLGVGHVVTTSIGMCDIDIRP
 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

MIM 612458

UniProt ID O94805

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