# Recombinant Human ACTL6B Protein, GST-tagged

**Cat. No.** ACTL6B-223H **Lot. No.** (See product label)

## SPECIFICATION

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| **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 S. cerevisiae and Drosophila; 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 GDKEKKGKIFHIDTNALHVPRDGAEVMSPLKNGMIEDWECFRAILDHTYSKHVKSEP |

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| | NLHPVLMSEAPWNTRAKREKLTELMFEQYNIPAFFLCKTAVLTAFANGRSTGLVLDS GATHTTAIPVHDGYVLQQGIVKSPLAGDFISMQCRELFQEMAIDIIPPYMIAAKEPVRE GAPPNWKKKEKLPQVSKSWHNYMCNEVIQDFQASVLQVSDSPYDEQVAAQMPTV HYEMPNGYNTDYGAERLRIPEGLFDPSNVKGLSGNTMLGVGHVVTTSIGMCDIDIRP GLYGSVIVTGGNTLLQGFTDRLNRELSQKTPPSMRLKLIASNSTMERKFSPWIGGSIL ASLGTFQQMWISKQEYEEGGKQCVERKCP |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>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

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| **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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