



Recombinant Human Actin-like protein 6B (ACTL6B)

Product Code	CSB-MP001237HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O94805
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSGGVYGGDE VGALVFDIGS FSVRAGYAGE DCPKADFPTT VGLLAAEEGG GLELEGDKEK KGKIFHIDTN ALHVPRDGAE VMSPLKNGMI EDWECFRIL DHTYSKHVKS EPNLHPVLMS EAPWNTRAKR EKLTELMFEQ YNIPAFFLCK TAVLTAFANG RSTGLVLD SG 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
Source	Mammalian cell
Target Names	ACTL6B
Protein Names	Recommended name: Actin-like protein 6B Alternative name(s): 53 kDa BRG1-associated factor B Actin-related protein Baf53b ArpNalpha BRG1-associated factor 53B Short name= BAF53B
Expression Region	1-426
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.