



# Recombinant Chicken Actin, cytoplasmic 1 (ACTB)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-BP001207CH  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P60706  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Gallus gallus (Chicken)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MDDDIAALVV DNGSGMCKAG FAGDDAPRAV FPSIVGRPRH<br>QGVMVGMGQK DSYVGDEAQS KRGILTLKYP IEHGIVTNWD DMEKIWHHTF<br>YNELRVAPEE HPVLLTEAPL NPKANREKMT QIMFETFNTP AMYVAIQAVL<br>SLYASGRTTG IVMDSGDGVT HTVPIYEGYA LPHAILRLDL AGRDLTDYLM<br>KILTERGYSF TTTAEREIVR DIKEKLCYVA LDFEQEMATA ASSSSLEKSY<br>ELPDGQVITI GNERFRCPEA LFQPSFLGME SCGIHETTFN SIMKCDVDIR<br>KDLYANTVLS GGTTMYPGIA DRMQKEITAL APSTMKIKII APPERKYSVW<br>IGGSILASLS TFQQMWISKQ EYDESGPSIV HRKCF |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | ACTB  |
| <b>Protein Names</b>     | Recommended name: Actin, cytoplasmic 1 Alternative name(s): Beta-actin<br>Cleaved into the following chain: 1. Actin, cytoplasmic 1, N-terminally processed   |
| <b>Expression Region</b> | 1-375   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins.  |
| <b>Reconstitution</b>    | 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.                                       |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.  |