

# Actin, cytoplasmic 1 (ACTB) Recombinant Protein | ACTB recombinant protein

Recombinant Human Actin, cytoplasmic 1 (ACTB)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA113867</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

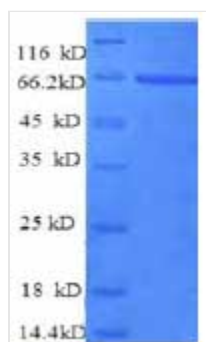
## PRODUCT SYNONYMS

Actin; cytoplasmic 1 (ACTB); Recombinant Human Actin; ACTB recombinant protein

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence Positions      | 1-375. Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                | MDDDIAALVV DNGSGMCKAG FAGDDAPRAV FPSIVGRPRH QGVMVGMGQK DSYVGDEAQS KRGILTLKYP<br>IEHGIVTNWD DMEKIWHHTF YNELRVAPEE HPVLLTEAPL NPKANREKMT QIMFETFNTP AMYVAIQAVL<br>SLYASGRTTG IVMDSGDGVV HTVPIYEGYA LPHAILRLDL AGRDLTDYLM KILTERGYSF TTTAEREIVR<br>DIKEKLCYVA LDFAQEMATA ASSSSLEKSY ELPDGVVITI GNERFRCPEA LFQPSFLGME SCGIHETTFN<br>SIMKCDVDIR KDLYANTVLS GGTTMYPGIA DRMQKEITAL APSTMKIKII APPERKYSVW IGGISILASLS<br>TFQQMWSKQ EYDESGPSIV HRKCF                                                                                                                                                                                                                                                                                                                                              |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Production Note         | <b>Special Offer:</b> The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our <b>or email to</b> for more details. |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ACTB recombinant protein | 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. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 4501885                                                                |
| NCBI GeneID                      | 60                                                                     |
| NCBI Accession #                 | NP_001092.1                                                            |
| NCBI GenBank Nucleotide #        | NM_001101.4                                                            |
| UniProt Accession #              | P60709; P02570; P70514; P99021; Q11211; Q64316; Q75MN2; Q96B34; Q96HG5 |
| Molecular Weight                 | 49.2 kDa                                                               |
| NCBI Official Full Name          | actin, cytoplasmic 1                                                   |
| NCBI Official Synonym Full Names | actin beta                                                             |
| NCBI Official Symbol             | ACTB                                                                   |
| NCBI Official Synonym Symbols    | BRWS1; PS1TP5BP1                                                       |
| NCBI Protein Information         | actin, cytoplasmic 1                                                   |
| UniProt Protein Name             | Actin, cytoplasmic 1                                                   |
| UniProt Gene Name                | ACTB                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/actb-recombinant-protein-e-coli/113867>