

# Actin Alpha 1, Skeletal Muscle (ACTa1) Recombinant Protein | ACTa1 recombinant protein

Recombinant Actin Alpha 1, Skeletal Muscle (ACTa1)

|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA152301</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

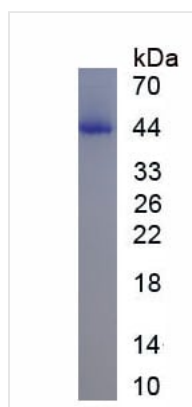
## PRODUCT SYNONYMS

Actin Alpha 1; Skeletal Muscle (ACTa1); Recombinant Actin Alpha 1; ACTa1/Actin Alpha 1; Skeletal Muscle; ACT-A1; ASMA; CFTD; CFTD1; CFTDM; MPFD; NEM1; NEM2; NEM3; ACTa1 recombinant protein

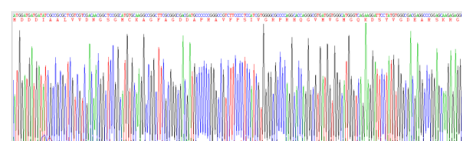
## PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                         |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E Coli                                                                                                                  |
| Purity/Purification                                   | Greater than 90% by SDS-PAGE                                                                                            |
| Form/Format                                           | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. Freeze-dried powder |
| Sequence                                              | Met1~Phe37 7                                                                                                            |
| Applicable Applications for ACTa1 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                |
| Expression System                                     | Prokaryotic expression                                                                                                  |
| Species                                               | Human/Mouse/Rat                                                                                                         |
| Isoelectric Point                                     | 5.1                                                                                                                     |
| Tag                                                   | N-terminal His Tag                                                                                                      |
| Endotoxin Level                                       | <1.0EU per 1ug (determined by the LAL method)                                                                           |
| Reconstitution                                        | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0mg/mL. Do not vortex.                                     |
| Subcellular Location                                  | Nucleus, Cytoplasm                                                                                                      |
| Preparation and Storage                               | Store at 2-8 degree C for one month, -80 degree C for 12 months<br>Stable for 12 months if correctly stored.            |

## IMAGES



SDS-PAGE  
SDS-PAGE



Gene Sequence  
Gene Sequencing (extract)

ACDEETALVCDNGSLWKAGAGDAPRANVPSIVORPHQGVNKGZKDSYVGEAGKRCILTKVPTENGIIITMDNEKIM  
HRTFYNELRVAFEEHPTLLTEAPLMPKANREKXTQIMFETFNPAHWATQAVLSLYASGRITGIVLDSGGVTHNPIVEQVALPHA  
IMRLDLAGRDLDYLMKILTERGVSPVTTAEREIVROIKEKLCYVALDFENEMATAASSSSLEKVELPDQGVITTIQNERFRCPETLF  
QPSFIQRESAGIHETTYNISDKCDIDIRKDLVANNVNSGGTTYPGIAORRQKEETALAPSTNKKIKIAPPERRYKYSWIGGSLASLS  
TFQQHWITKQEYDEAGPSIVHKKCF

Sequence

ADDITIONAL INFORMATION

|                                                         |                                                                             |
|---------------------------------------------------------|-----------------------------------------------------------------------------|
| Product Categories/Family for ACTa1 recombinant protein | Developmental science; Bone metabolism; Prokaryotic Recombinant proteins/RP |
|---------------------------------------------------------|-----------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                  |       |
|------------------|-------|
| Molecular Weight | 44kDa |
|------------------|-------|

**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://stage.aaabiotech.com/actin-alpha-1-skeletal-muscle-acta1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/152301>