

# Actin Alpha 2, Smooth Muscle (ACTa2) Recombinant Protein | ACTa2 recombinant protein

Recombinant Actin Alpha 2, Smooth Muscle (ACTa2)

|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA153447</b> | HOST<br><b>E coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

## PRODUCT SYNONYMS

Actin Alpha 2; Smooth Muscle (ACTa2); Recombinant Actin Alpha 2; Smooth Muscle; ACTa2 recombinant protein (prokaryotic); Human; ACT-A2; ACTSA; ACTVS; Asma; GIG46; Cell growth-inhibiting gene 46 protein; ACTa2 recombinant protein

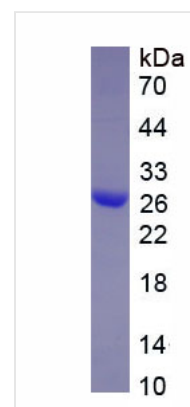
## PRODUCT SPECIFICATIONS

|                                                       |                                                                                                              |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Host                                                  | E coli                                                                                                       |
| Purity/Purification                                   | Greater than 90% by SDS-PAGE                                                                                 |
| Form/Format                                           | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.<br>Freeze-dried powder                                       |
| Sequence Positions                                    | Ile167~Phe377                                                                                                |
| Applicable Applications for ACTa2 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                     |
| Expression System                                     | Prokaryotic expression                                                                                       |
| Species                                               | Human                                                                                                        |
| Tag                                                   | N-terminal His                                                                                               |
| Endotoxin Level                                       | <1.0EU per 1ug (determined by the LAL method)                                                                |
| Isoelectric Point                                     | 5.1                                                                                                          |
| Subcellular Location                                  | Cytoplasm                                                                                                    |
| Research Area                                         | Developmental science                                                                                        |
| 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

IYEGYALPHAIMRLDLAQRDLTDYLMKILTERGYSFVTTAEREIVRDIKEKLCYVALDFENEMAT  
AASSSSLEKSYELPDGQVITIGNERFRCPETLFQPSFIGMESAGIHETTYNSIMKCDIDIRKDL  
ANNVLSGGTTMYPGIADRMQKEITALPSTMKIKIAPPKYSVWIGGSILASLSTFQQMW  
ISKQEYDEAGPSIVHRKCF

Amino Acid Info



SDS-PAGE  
Figure. SDS-PAGE

ADDITIONAL INFORMATION

|                                                         |                      |
|---------------------------------------------------------|----------------------|
| Product Categories/Family for ACTa2 recombinant protein | Prokaryotic proteins |
|---------------------------------------------------------|----------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119570540                                                                                |
| NCBI GeneID                      | 59                                                                                       |
| UniProt Accession #              | P62736; P03996; P04108; Q6FI19; B2R8A4                                                   |
| Molecular Weight                 | 42,009 Da                                                                                |
| NCBI Official Full Name          | actin, alpha 2, smooth muscle, aorta, isoform CRA_a                                      |
| NCBI Official Synonym Full Names | actin, alpha 2, smooth muscle, aorta                                                     |
| NCBI Official Symbol             | ACTA2                                                                                    |
| NCBI Official Synonym Symbols    | AAT6; ACTSA; MYMY5                                                                       |
| NCBI Protein Information         | actin, aortic smooth muscle; alpha-cardiac actin; cell growth-inhibiting gene 46 protein |
| UniProt Protein Name             | Actin, aortic smooth muscle                                                              |
| UniProt Gene Name                | <b>ACTA2</b>                                                                             |
| UniProt Synonym Gene Names       | ACTSA; ACTVS                                                                             |
| UniProt Entry Name               | ACTA_HUMAN                                                                               |

**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/acta2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/153447>