

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

Recombinant Actin Alpha 2, Smooth Muscle (ACTa2)

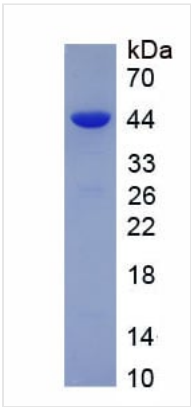
CATALOG # AAA150687	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence	Cys2-Phe37 7
Applicable Applications for ACTa2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Species	Human
Tag	N-terminal His Tag
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	5
Subcellular Location	Cytoplasm
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



CEEEDSTALVCONSGSLCKAGFAGDAPRAVFPSTVGRPHQVWVGNGQKDSYVDEAGSKRGTLTKYPIEHGIITMDDEKIDHH
SFYNELVAPVEEHPTLLTEAPLNPKANREKNTQINFETNWPAMYVAIQAVLSLYASGRITGVLVDSGGQVTHNPITYEQVALPHADHR
LQLAGRLTQVYKTLTERGSPVTTAEREIVRDIKKLCVVALDFENHATAASSSLEKVELPQQTITQHERPKPETLPQSP
IQNESAGHETTYNSIWKCDIDIRKOLYANNVLSGGTTPVPGIADRQKEITALAPSTKIKIIPPERKYSWIGGSILASLSTFQOM
WISKQEVDEAGPSIVHRKCF

Sequence

SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for ACTa2 recombinant protein	Developmental science; Bone metabolism; Recombinant proteins/RP
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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	ACTA2
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/150687>