

Recombinant Human ACTA1 protein, His-tagged

Cat. No. ACTA1-564H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACTA1 protein(P68133)(3-377aa), fused with C-terminal His tag, was expressed in Insect cells.
Species	Human
Source	Insect cells
ProteinLength	3-377aa
Tag	C-His
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	47.4 kDa
Purity	Greater than 90% as determined by SDS-PAGE. Greater than 90% as determined by SEC-HPLC.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	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

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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.

AA Sequence

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DEDETTALVCDNGSGLVKAGFAGDDAPRAVFPSSIVGRPRHQGVMVGMGQKDSYV
GDEAQSKRGILTLYPIEHGIITNWDDMEKIWHHTFYNELRVAPEEHPTLLTEAPLNP
KANREKMTQIMFETFNVPAMYVAIQAVLSLYASGRRTTGIVLDSGDGVTHNVPIYEGY
ALPHAIMRLDLAGRDLTDYLMKILTERGYSFVTTAEREIVRDIKEKLCYVALDFENEMA
TAASSSSLEKSYELPDGQVITIGNERFRCPETLFQPSFIGMESAGIHETTYNSIMKCDI
DIRKDLYANNVMSGGTTMYPGIADRMQKEITALAPSTMKIKIAPPERKYSVWIGGSIL
ASLSTFQQMWITKQEYDEAGPSIVHRKCF
    
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GENE INFORMATION

Gene Name [ACTA1 actin, alpha 1, skeletal muscle \[Homo sapiens \]](#)

Official Symbol [ACTA1](#)

Synonyms ACTA1; actin, alpha 1, skeletal muscle; ACTA; actin, alpha skeletal muscle; alpha-actin-1; alpha skeletal muscle actin; ASMA; CFTD; MPFD; NEM1; NEM2; NEM3; CFTD1; CFTDM;

Gene ID [58](#)

mRNA Refseq [NM_001100](#)

Protein Refseq [NP_001091](#)

MIM [102610](#)

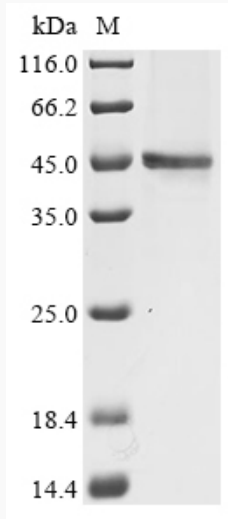
UniProt ID [P68133](#)

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SDS-PAGE



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