

Recombinant Human ACTA2 Protein, His-tagged, OVA Conjugated

Cat. No. ACTA2-2778H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OVA Conjugated Recombinant Human ACTA2 Protein (Glu3-Cys11(10Val-Tyr)) fused with a N-His tag.
Species	Human
Source	Protein Conjugation
ProteinLength	Glu3-Cys11(10Val-Tyr)
Description	This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a smooth muscle actin that is involved in vascular contractility and blood pressure homeostasis. Mutations in this gene cause a variety of vascular diseases, such as thoracic aortic disease, coronary artery disease, stroke, and Moyamoya disease, as well as multisystemic smooth muscle dysfunction syndrome.
Form	Freeze-dried powder
Purity	> 90%
Applications	Immunogen; SDS-PAGE; WB.
Stability	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 centigrade for

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48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

Conjugation

OVA

GENE INFORMATION

Gene Name

[ACTA2 actin, alpha 2, smooth muscle, aorta \[Homo sapiens \]](#)

Official Symbol

[ACTA2](#)

Synonyms

ACTA2; actin, alpha 2, smooth muscle, aorta; actin, aortic smooth muscle; ACTSA; alpha 2 actin; alpha-actin-2; alpha-cardiac actin; growth-inhibiting gene 46; cell growth-inhibiting gene 46 protein; AAT6; MYMY5;

Gene ID

[59](#)

mRNA Refseq

[NM_001141945](#)

Protein Refseq

[NP_001135417](#)

MIM

[102620](#)

UniProt ID

[P62736](#)

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