

## Native Rabbit Actin Protein

**Cat. No.** Actin-21R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Ultra pure Actin consists in the alpha-skeletal muscle isoform and is purified from rabbit striated muscle. The purification method used (according to Spudich & Watts) results in a highly purified protein having a Molecular mass of 43 kDa.
<b>Species</b>	Rabbit
<b>Source</b>	Rabbit Striated muscle
<b>ProteinLength</b>	Full Length
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Actin in sterile 18MΩ-cm H <sub>2</sub> O not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.
<b>Molecular Mass</b>	43 kDa
<b>Purity</b>	Greater than 98.0 % as determined by (a) Analysis by RP-HPLC; (b) Analysis by SDS-PAGE.
<b>Applications</b>	Protein standard in 1D and 2D SDS gel electrophoresis; Immunoassays Immunization.
<b>Note</b>	For Research Use Only. Not for use in diagnostic procedures.

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**Storage**

Lyophilized Actin although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution Actin should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade.

**Storage Buffer**

The protein was lyophilized from a 1 mg/mL solution containing 10mM Tris/HCl buffer pH 8.0, 0.2mM CaCl<sub>2</sub>, 0.2mM ATP, 1mM DTT and 0.5 % (w/v) SDS.

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