

Native Rabbit Actin Protein

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

SPECIFICATION

Product Overview	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.
Species	Rabbit
Source	Rabbit Striated muscle
ProteinLength	Full Length
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	It is recommended to reconstitute the lyophilized Actin in sterile 18MΩ-cm H ₂ O not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.
Molecular Mass	43 kDa
Purity	Greater than 98.0 % as determined by (a) Analysis by RP-HPLC; (b) Analysis by SDS-PAGE.
Applications	Protein standard in 1D and 2D SDS gel electrophoresis; Immunoassays Immunization.
Note	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 ₂ , 0.2mM ATP, 1mM DTT and 0.5 % (w/v) SDS.

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