



Actin

Item Number	rAP-2724
Synonyms	
Description	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 43,000 dalton.
Uniprot Accession Number	
Amino Acid Sequence	
Source	Rabbit Muscle.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Actin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Actin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized from a 1mg/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. Greater than 98.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Actin in sterile 18MΩ-cm H ₂ O not less than 1mg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**