

Actin Protein Recombinant Protein



RPPB2817

Product Information Protein Information

Product SKU:

RPPB2817

Host:

Rabbit Muscle.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

The protein was lyophilized from a 1mg/ml solution containing 10mM Tris/HCl buffer pH 8.0, 0.2mM CaCl₂, 0.2mM ATP, 1mM DTT and 0.5% (w/v) SDS.

Purity:

Greater than 98.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Actin in sterile 18MΩ-cm H₂O not less than 1mg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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.