

Native Porcine Actin Protein

Cat. No. Actin-889P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Porcine Actin was purified from Porcine smooth muscle.
Species	Porcine
Source	Porcine smooth muscle
Description	Smooth muscle actin (porcine) contains a mixture of ~80% gamma and ~20% alpha smooth muscle actin. Actin is a single chain polypeptide with a molecular weight of 42kD consisting of 375 amino acids. The typical polymerization and depolymerization properties were compared with skeletal muscle actin in fluorimetical analyses (see product images). By mixing both actins with 10% pyrene actin (rabbit skeletal muscle actin) different kinetics are observed.
Form	2mM Tris-Cl pH 8.2, 1mM ATP, 0.5mM DTT, 0.1mM CaCl ₂ and 0.4% disaccharides, when reconstituted with H ₂ O.
Molecular Mass	42kDa
Purity	>98% (determined by scanning densitometry).
Storage	The protein is stored at -70 centigrade upon arrival will be stable in performance for at least 6 months from the date of purchase. Avoid repeated freeze / thaw cycles.
Shipping	At ambient temperature. Upon delivery store at -70 centigrade.

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