

Recombinant Mouse Actn4 Protein

Cat. No. Actn4-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Actn4 Protein
Species	Mouse
Description	Enables actin filament binding activity. Involved in several processes, including bicellular tight junction assembly; positive regulation of pinocytosis; and protein localization to bicellular tight junction. Located in several cellular components, including Z disc; cytoskeleton; and pseudopodium. Is expressed in early conceptus and heart. Used to study focal segmental glomerulosclerosis 1. Human ortholog(s) of this gene implicated in focal segmental glomerulosclerosis and focal segmental glomerulosclerosis 1. Orthologous to human ACTN4 (actinin alpha 4).
Form	Lyophilized, ready-to-use.
Molecular Mass	~100 kDa each monomer ~200 kDa per dimer
Purity	>98% by scanning densitometry from Coomassie G-250 stained SDS-Gels.
Notes	For Use in Research only. Not for Use in Human or Veterinary Diagnostical or Therapeutical Applications.
Storage	Upon reconstitution the product is stored on ice. This product can also be stored as a glycerol stock at -20 centigrade. Avoid repeated freeze / thaw cycles.

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Storage Buffer 100mM NaCl, 20mM Tris-cl pH 7.4, 0.5mM DTT and 3% disaccharides, when reconstituted with 50 µL ultrapure water to obtain a 1 mg/ml solution.

Shipping At ambient temperature. Upon delivery store at -70 centigrade.

GENE INFORMATION

Gene Name [Actn4 actinin alpha 4 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Actn4](#)

Synonyms Actn4; actinin alpha 4; alpha-actinin-4; F-actin cross-linking protein; non-muscle alpha-actinin 4

Gene ID [60595](#)

mRNA Refseq [NM_021895](#)

Protein Refseq [NP_068695](#)

UniProt ID [P57780](#)

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