# Alpha-actinin-1 (Actn1) Recombinant Protein | Actn1 recombinant protein

Recombinant Mouse Alpha-actinin-1 (Actn1) , partial

| CATALOG # | HOST |
|---|---|
| **AAA117598** | **E Coli or Yeast or Baculovirus or Mammalian Cell** |

## PRODUCT SYNONYMS

Alpha-actinin-1 (Actn1); Recombinant Mouse Alpha-actinin-1 (Actn1); partial; Actn1 recombinant protein

## PRODUCT SPECIFICATIONS

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| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Sequence Length** | 892 |
| **Species** | Mouse |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |

## ADDITIONAL INFORMATION

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| **Related Product Information for Actn1 recombinant protein** | Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a nonmuscle, cytoskeletal, alpha actinin isoform and maps to the same site as the structurally similar erythroid beta spectrin gene. Three transcript variants encoding different isoforms have been found for this gene. |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 61097906 |
| **NCBI GeneID** | 109711 |
| **NCBI Accession #** | NP_598917.1 |
| **NCBI GenBank Nucleotide #** | NM_134156.2 |
| **UniProt Accession #** | Q7TPR4 |
| **Molecular Weight** | 103,068 Da |
| **NCBI Official Full Name** | alpha-actinin-1 isoform 1 |
| **NCBI Official Synonym Full Names** | actinin, alpha 1 |
| **NCBI Official Symbol** | Actn1 |
| **NCBI Official Synonym Symbols** | Actn1a; 3110023F10Rik |
| **NCBI Protein Information** | alpha-actinin-1 |

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| **UniProt Protein Name** | Alpha-actinin-1 |
| **UniProt Gene Name** | **Actn1** |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/actn1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117598