

Alpha-actinin-4 (ACTN4) Recombinant Protein | ACTN4 recombinant protein

Recombinant Bovine Alpha-actinin-4 (ACTN4) , partial

CATALOG #
AAA115913

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Alpha-actinin-4 (ACTN4); Recombinant Bovine Alpha-actinin-4 (ACTN4); partial; ACTN4 recombinant protein

PRODUCT SPECIFICATIONS

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 Positions	1-269aa; partial
Sequence	MVDYHAANQS YQYGPSSGSN GAGGGGTMGD YMAQEDDWDR DLLLDPAWEK QQRKTFTAWC NSHLRKAGTQ IENIDEDFRD GLKLMLLLEV ISGERLPKPE RGKMRVHKIN NVNKALDFIA SKGVKLVSIG AEEIVDGN AK MTLGMIWTII LRFAIQDISV EETSAKEGLL LWCQRKTAPY KNVNVQNFHI SWKDGLAFNA LIHRHRPELI EYDKLRKDDP VTNLNNAFEV AEKYLDIPKM LDAEDIVNTA RPDEKAIMTY VSSFYHAFS
Species	Bovine
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

Related Product Information for ACTN4 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, alpha actinin isoform which is concentrated in the cytoplasm, and thought to be involved in metastatic processes. Mutations in this gene have been associated with focal and segmental glomerulosclerosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148238040
NCBI GeneID	522269
NCBI Accession #	NP_001091521.1
NCBI GenBank Nucleotide #	NM_001098052.1
UniProt Accession #	A5D7D1
Molecular Weight	104,928 Da
NCBI Official Full Name	alpha-actinin-4
NCBI Official Synonym Full Names	actinin alpha 4

NCBI Official Symbol	ACTN4
NCBI Protein Information	alpha-actinin-4
UniProt Protein Name	Alpha-actinin-4
UniProt Gene Name	ACTN4

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/actn4-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115913>