

Recombinant Human ACTN2 protein, His/MBP-tagged

Cat. No. ACTN2-361H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACTN2(1-205 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-205 aa
Description	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 muscle-specific, alpha actinin isoform that is expressed in both skeletal and cardiac muscles. Several transcript variants encoding different isoforms have been found for this gene.
Form	Liquid in PBS
Purity	SDS-PAGE >90%
Applications	WB Positive Control

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
GENE INFORMATION	
Gene Name	ACTN2 actinin, alpha 2 [Homo sapiens]
Official Symbol	ACTN2
Synonyms	ACTN2; actinin, alpha 2; alpha-actinin-2; F-actin cross-linking protein; alpha-actinin skeletal muscle; CMD1AA;
Gene ID	88
mRNA Refseq	NM_001103
Protein Refseq	NP_001094
MIM	102573
UniProt ID	P35609

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