

Recombinant Human ACTN1

Catalog No: #GP11017



Package Size: #GP11017-1 100ug

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Description

Product Name	Recombinant Human ACTN1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to N terminal 247 amino acids of human ACTN1
Target Name	actinin, alpha 1
Other Names	BDPLT15
Accession No.	Swissprot:P12814Gene Accession:BC003576
Uniprot	P12814
GeneID	87;
Storage	-20~-80°C, pH 7.6 PBS

Background

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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