

ACTN1 抗原（重组蛋白）

中文名称：ACTN1 抗原（重组蛋白）

英文名称：ACTN1 Antigen (Recombinant Protein)

别名：actinin, alpha 1; BDPLT15

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to N terminal 247 amino acids of human ACTN1

技术规格：

Full name:	actinin, alpha 1
Synonyms:	BDPLT15
Swissprot:	P12814
Gene Accession:	BC003576
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
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.