

# Recombinant Human ACTN4

Catalog No: #GP11243



Package Size: #GP11243-1 100ug

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## Description

Product Name	Recombinant Human ACTN4
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 50-269 amino acids of human actinin, alpha 4
Target Name	actinin, alpha 4
Other Names	FSGS; FSGS1; ACTININ-4
Accession No.	Swissprot:O43707Gene Accession:BC005033
Uniprot	O43707
GeneID	81;
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, alpha actinin isoform which is concentrated in the cytoplasm, and thought to be involved in metastatic processes.

## 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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