

Recombinant Human ACTN4 protein, GST-tagged

Cat. No. ACTN4-554H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACTN4(1 a.a. - 911 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
Protein Length	1 a.a. - 911 a.a.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	131.3 kDa
AA Sequence	MVDYHAANQSYQYGPSSAGNGAGGGGSMGDYMAQEDDWDRDLLLDPWEKQQ RKTFTAWCNSHLRKAGTQIENID EDFRDGLKLMLLLEVISGERLPKPERGKMRVHKI NNVNKALDFIASKGVKLVSIGAEEIVDGNAMTLGMIWTII LRFAIQDISVEETSAKEG LLLWCQRKTAPYKNVNVQNFHISWKDGLAFNALIHRHRPELIEYDKLRKDDPVTNLN NAFEVAEKYLDIPKMLDAEDIVNTARPDEKAIMTYVSSFYHAFSGAQKAETAANRICK VLAVNQENEHLMEDYEK LASDLLEWIRRTIPWLED RVPQKTIQEMQQKLED FRDYR RVHKPPKVQEKQCLEINFNTLQTKLRLSNRPAFMPS EGKMVSDINNGWQHLEQAE KGYEEWLLNEIRRLERLDHLAEKFRQKASIHEAWTDGKEAMLKHRDYETATLSDIK A LIRKHEAFESDLAAHQDRVEQIAAIAQELNELDYYDSHNVNTRCQKICDQWDALGSL THSRREALEKTEKQLEA IDQLHLEYAKRAAPFNNWMESAMEDLQDMFIVHTIEEIEG LISAHDQFKSTLPDADREREAILAIHKEAQRIAES NHIKLSGSNPYTTVTPQIINSKWE KVQQLVPKRDHALLEEQSKQQSNEHLRRQFASQANVVG PWIQTKMEEIGRI SIEMN

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GTLEDQLSHLKQYERSIVDYKPNLDLLEQQHQLIQEALIFDNKHTNYTMEHIRVGWE
 QLLTTIARTINEV ENQILTRDAKGISQEQMQEFRASFNFHFDKDHGGALGPEEFKACLI
 SLGYDVENDRQGEAEFNRIMSLVDPNHSGL VTFQAFIDFMSRETTDTDTADQVIASF
 KVLAGDKNFITAEELRRELPPDQAEYCIARMAPYQGPDAVPGALDYKS FSTALYGE
 SDL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

ACTN4 actinin, alpha 4 [Homo sapiens]

Official Symbol

ACTN4

Synonyms

ACTN4; actinin, alpha 4; focal segmental glomerulosclerosis 1 , FSGS1; alpha-actinin-4; actinin alpha4 isoform; non-muscle alpha-actinin 4; F-actin cross-linking protein; focal segmental glomerulosclerosis 1; FSGS; FSGS1; ACTININ-4; DKFZp686K23158;

Gene ID

81

mRNA Refseq

NM_004924

Protein Refseq

NP_004915

MIM

604638

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UniProt ID	O43707
Chromosome Location	19q13
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Cell-Cell communication, organism-specific biosystem;
Function	actin binding; actin filament binding; calcium ion binding; integrin binding; nucleoside binding; protein N-terminus binding; protein binding; protein homodimerization activity;

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