

Recombinant Human ACTN4 protein, GST-tagged

Cat. No. ACTN4-8432H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACTN4 protein(612-911 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	612-911 aa
Tag	N-GST
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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AA Sequence

TTVTPQIINSKWEKVQQLVPKRDHALLEEQSKQQSNEHLRRQFASQANVVGPIQT
 KMEEIGRISIEMNGTLEDQLSHLKQYERSIVDYKPNLDLLEQQHQLIQEALIFDNKHTN
 YTMEHIRVGWEQLLTTIARTINEVENQILTRDAKGISQEQMQEFRASFNHFDKDHGG
 ALGPEEFKACLISLGVDVENDRQGEAEFNRIMSLVDPNHSGLVTFQAFIDFMSRETT
 DTDADQVIASFVKVLAGDKNFITAEELRRELPPDQAEYCIARMAPYQGPDAVPGALD
 YKSFSTALYGESDL

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](#)

UniProt ID [O43707](#)

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SDS-PAGE

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