

## Recombinant Human ACTN4 protein, His-tagged

Cat. No. ACTN4-2451H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human ACTN4 protein(612-911 aa), fused with N-terminal His tag, was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** 612-911 aa

**Tag** N-His

**Form** The purified protein was Lyophilized from sterile PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.

**Purity** 85%, 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  
 YTMEHIRVGWEQLLTTIARTINEVENQILTRDAKGISQEQMQEFRASFNHFDDKHGG  
 ALGPEEFKACLISLGYDVENDRQGEAEFNRIMSLVDPNHSGLVTFQAFIDFMSRETT  
 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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