

## Recombinant Human ACTN4 protein, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ACTN4 protein(612-911 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 612-911 aa                                                                                                                                                                                                                                           |
| <b>Tag</b>              | N-His                                                                                                                                                                                                                                                |
| <b>Form</b>             | 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.              |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                             |
| <b>Storage</b>          | 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.       |
| <b>Reconstitution</b>   | 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  
 YTMEHIRVGWEQLLTTIARTINEVENQILTRDAKGISQEQMQEFRASFNFHFDKDHGG  
 ALGPEEFKACLISLGVDVENDRQGEAEFNRIMSLVDPNHSGLVTFQAFIDFMSRETT  
 DTDADQVIASFVKVLGDKNFITAEELRRELPPDQAEYCIARMAPYQGPDAVPGALD  
 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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