

## Recombinant Human ACTN1 protein, GST-tagged

Cat. No. ACTN1-2411H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ACTN1 protein(543-892 aa), fused with N-terminal GST tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	543-892 aa
<b>Tag</b>	N-GST
<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**

EIQGLTTAHEQFKATLPDADKERLAILGIHNEVSKIVQTYHVN MAGTNPYTTITPQEIN  
 GKWDHVRQLVPRRDQALTEE HARQQHNERLRKQFGAQANVIGPWIQTKMEEIGRIS  
 IEMHGTLEDQLSHLRQYEKSIVNYKPKIDQLEGDHQLIQEALIFDNKHTNYTMEHIRV  
 GWEQLLTTIARTINEVENQILTRDAKGISQEQMNEFRASFNHFDRDHSGLGPEEFK  
 ACLISLGYDIGNDPQGAEFARIMSIVDPNRLGVVTFQAFIDFMSRETADTDTADQVM  
 ASFKILAGDKNYITMDELRRRELPPDQAEYCIARMAPYTGPDSPGALDYMSFSTALY  
 GESDL

## GENE INFORMATION

**Gene Name** [ACTN1 actinin, alpha 1 \[ Homo sapiens \]](#)

**Official Symbol** [ACTN1](#)

**Synonyms**

ACTN1; actinin, alpha 1; alpha-actinin-1; actinin 1 smooth muscle; non-muscle alpha-actinin-1; F-actin cross-linking protein; alpha-actinin cytoskeletal isoform; FLJ40884; FLJ54432;

**Gene ID** [87](#)

**mRNA Refseq** [NM\\_001102](#)

**Protein Refseq** [NP\\_001093](#)

**MIM** [102575](#)

**UniProt ID** [P12814](#)

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SDS-PAGE



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