

Recombinant Human ACTN1 protein, GST-tagged

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

SPECIFICATION

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

EIQGLTTAHEQFKATLPDADKERLAILGHIHNEVSKIVQTYHVN MAGTNPYTTITPQEIN
 GKWDHVRQLVPRRDQALTEE HARQQHNERLRKQFGAQANVIGPW IQTKMEEIGRIS
 IEMHGTLEDQLSHLRQYEKSIVNYKPKIDQLEGDHQLIQEALIFDNKHTNYTMEHIRV
 GWEQLLTTIARTINEVENQILTRDAKGISQEQMNEFRASFNHFDRDHSGTLGP EEFK
 ACLISLGYDIGNDPQGAEFARIM SIVDPNRLGVVTFQAFIDFMSRETADTDADQVM
 ASFKILAGDKNYITMDELRR ELPPDQAEYCIARMAPYTGPD SVPGALDYMSFSTALY
 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](#)

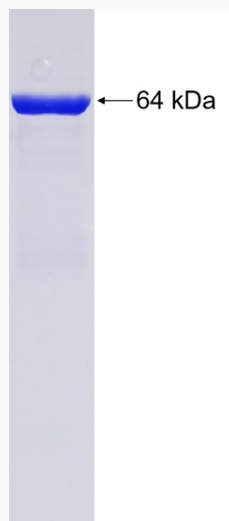
MIM [102575](#)

UniProt ID [P12814](#)

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SDS-PAGE

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