

Actinin Alpha 4 Recombinant Protein | ACTN4 recombinant protein

Recombinant Actinin Alpha 4 (ACTN4)

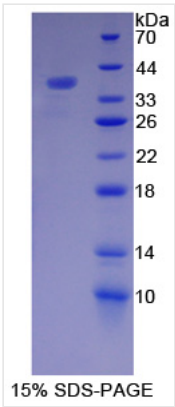
CATALOG # AAA144188	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Actinin Alpha 4; Recombinant Actinin Alpha 4 (ACTN4); ACTN4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 800ug/mL (varies by lot)
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandT7-ta g,itsseque nceisliste dbelow. MVDYHAAN QSYQYGPSSA GNGAGGGGSM GDYMAQEDDW DRDLLDPAW EKQQRKTFTA WCNShLRKAG TQIENIDEDF RDGLKMLLL EVISGERLPK PERGKMRVHK INNVNKALDF IASKGVKLVS IGAEIIVDGN AKMTLGMIWT IILRFAIQDI SVEETSAKEG LLLWCQRKTA PYKNVNVQNF HISWKDGLAF NALIHRRHPE LIEYDKLRKD DPVTNLNNAF EVAEKYLDIP KMLDAEDIVN TARPDEKAIM TYVSSFYHAF S
Applicable Applications for ACTN4 recombinant protein	Positive Control, Immunogen, WB (Western Blot), SDS-PAGE
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Met1~Ser269
Tags	N-terminal His Tag
Subcellular Location	Nucleus, Cytoplasm
Traits	Freeze-dried powder
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	2804273
NCBI GeneID	81
Molecular Weight	Predicted isoelectric point: 5.7 Predicted Molecular Mass: 34.2kDa Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	alpha actinin 4
NCBI Official Synonym Full Names	actinin, alpha 4
NCBI Official Symbol	ACTN4
NCBI Official Synonym Symbols	FSGS; FSGS1; ACTININ-4
NCBI Protein Information	alpha-actinin-4
UniProt Protein Name	Alpha-actinin-4
UniProt Gene Name	ACTN4
UniProt Entry Name	ACTN4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.