

Survival Of Motor Neuron 1 Recombinant Protein | SMN1 recombinant protein

Recombinant Survival Of Motor Neuron 1, Telomeric (SMN1)

CATALOG # AAA144456	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Survival Of Motor Neuron 1; Recombinant Survival Of Motor Neuron 1; Telomeric (SMN1); SMN1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 5% Trehalose
Concentration	250µg/mL (varies by lot)
Applicable Applications for SMN1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ala2~Asn294
Tags	N-terminal His Tag
Subcellular Location	Nucleus, Cytoplasm
Predicted isoelectric point	6.2
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
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.
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.

IMAGES

Sequence



SDS-PAGE



Sequence



NCBI AND UNIPROT INFORMATION

NCBI GI #	3970964
NCBI GeneID	6607
Molecular Weight	Predicted Molecular Mass: 35.4kDa Accurate Molecular Mass: 39kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	survival motor neuron 1 protein
NCBI Official Synonym Full Names	survival of motor neuron 2, centromeric
NCBI Official Symbol	SMN2
NCBI Official Synonym Symbols	SMNC; BCD541; GEMIN1; TDRD16B; C-BCD541
NCBI Protein Information	survival motor neuron protein
UniProt Protein Name	Survival motor neuron protein
UniProt Gene Name	SMN1
UniProt Synonym Gene Names	SMN; SMNT
UniProt Entry Name	SMN_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.

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Online datasheet: <https://stage.aaabiotech.com/smn1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/144456>