Troponin I Type 3, Cardiac (TNNI3) Recombinant Protein | TNNI3 recombinant protein

Recombinant Troponin I Type 3, Cardiac (TNNI3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA133876	**E.coli**	**Mus musculus (Mouse)**	**Western Blot, SDS-Page**

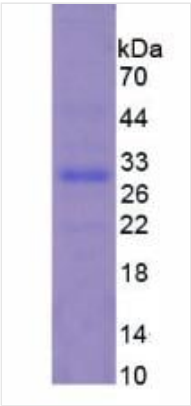
PRODUCT SYNONYMS

Troponin I Type 3; Cardiac (TNNI3); Recombinant Troponin I Type 3; TNNI3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for TNNI3 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Met1~Gly211
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	9.5
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 degree C for one month. Aliquot and store at -80 degree 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 degree 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



SDS-PAGE

Sequence

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MADESSDAAG EPQPAPAPVR RRSSANYRAY ATEPHAKKKS KISASRKLQL
KTLMLQIAKQ EMEREAEERR GEKGRVLRTR CQPLELDGLG FEELQDLCRQ
LHARVDKVDE ERYDVEAKVT KNITEIADLT QKIYDLRGKF KRPTLRRVRI
SADAMMQALL GTRAKESLDL RAHLKQVKKE DIEKENREVG DWRKNIDALS
GMEGRKKKFE G
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678393
NCBI GeneID	21954
NCBI Accession #	NP_033432.1
NCBI GenBank Nucleotide #	NM_009406.3
UniProt Accession #	P48787
Molecular Weight	Predicted Molecular Mass: 25.8kDa Accurate Molecular Mass: 30kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	troponin I, cardiac muscle
NCBI Official Synonym Full Names	troponin I, cardiac 3
NCBI Official Symbol	Tnni3
NCBI Official Synonym Symbols	Tn1; cTnI
NCBI Protein Information	troponin I, cardiac muscle; cardiac troponin I
UniProt Protein Name	Troponin I, cardiac muscle
UniProt Gene Name	**Tnni3**
UniProt Entry Name	TNNI3_MOUSE

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/tnni3-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/133876