SunLong Biotech Co.,LTD
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Recombinant Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6)

Catalog Number: SIPD532Ra03 **Spec: 100ug**

Product Name	Recombinant Myosin Heavy Chain 6, Cardiac Muscle, Alpha (MYH6)
Catalog Number	SIPD532Ra03
Organism Species	Rat
Source	Prokaryotic expression
Host	E.coli
Residues	Gln1747~Glu1938
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Purity	> 95%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 0.05% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Original Concentration	200μg/mL
Applications	Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point	6.8
Predicted Molecular Mass	23.7kDa
Accurate Molecular Mass	27kDa as determined by SDS-PAGE reducing conditions.
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 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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.

[SEQUENCE]

QECR
NAEEKAKKAI TDAAMMAEEL KKEQDTSAHL ERMKKNMEQT IKDLQHRLDE
AEQIALKGGK KQLQKLEARV RELENELEAE QKRNAESVKG MRKSERRIKE
LTYQTEEDKK NLVRLQDLVD KLQLKVKAYK RQAEEAEEQA NTNLSKFRKV
QHELDEAEER ADIAESQVNK LRAKSRDIGA KQKMHDEE

[IDENTIFICATION]

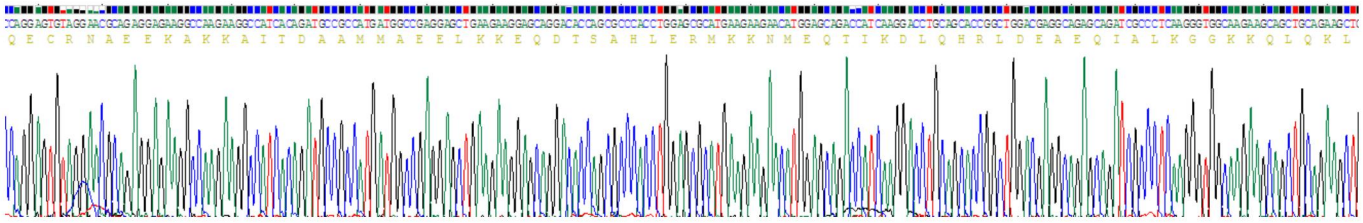


Figure. Gene Sequencing (Extract)

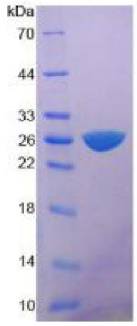


Figure. SDS-PAGE

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[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.