

# Recombinant Rat Myh3 protein, His & T7-tagged

**Cat. No.** Myh3-8017R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Myh3 aa. (Arg1593~Val1848 (Accession # P12847)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                              |
| <b>Species</b>          | Rat                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                         |
| <b>ProteinLength</b>    | Arg1593~Val1848                                                                                                                                                                |
| <b>Description</b>      | Heavy chain of myosin; involved in muscle contraction.                                                                                                                         |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                            |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 29.7kDa                                                                                                                                              |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                  |
| <b>Purity</b>           | >95%                                                                                                                                                                           |
| <b>Characteristic</b>   | The isoelectric point is 6.6.                                                                                                                                                  |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                        |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein |

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at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage Buffer**

Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

Myh3 myosin heavy chain 3 [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Myh3

**Synonyms**

Myh3; myosin heavy chain 3; Myhse; RNMHCG; myosin-3; myosin heavy chain, fast skeletal muscle, embryonic; myosin heavy polypeptide 3; myosin, heavy chain 3, skeletal muscle, embryonic; myosin, heavy polypeptide 3, skeletal muscle, embryonic

**Gene ID**

24583

**mRNA Refseq**

NM\_012604.1

**Protein Refseq**

NP\_036736.1

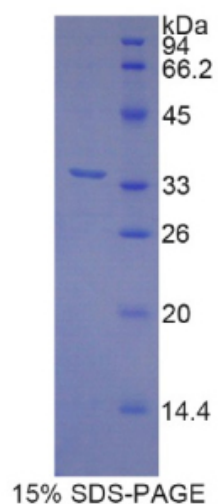
**UniProt ID**

P12847

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**SDS-PAGE**

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