

# Recombinant Mouse Jph1 Protein, His-tagged

**Cat. No.** Jph1-1708M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Jph1 Protein (Met1-Asp201) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Met1-Asp201                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | A structural constituent of muscle. Acts upstream of or within muscle organ development. Located in Z disc; junctional sarcoplasmic reticulum membrane; and plasma membrane. Part of junctional membrane complex. Is expressed in heart and skeletal muscle. Human ortholog(s) of this gene implicated in Charcot-Marie-Tooth disease axonal type 2K. Orthologous to human JPH1 (junctophilin 1). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 25.3 kDa<br>Accurate Molecular Mass: 28 kDa                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by                                                                                                                                                                                                                                                                                                              |

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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.

**Storage**

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

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

Jph1 junctophilin 1 [ *Mus musculus* (house mouse) ]

**Official Symbol**

Jph1

**Synonyms**

JPH1; junctophilin 1; junctophilin-1; mitsugumin72; junctophilin type 1; Jp1; JP-1; ENSMUSG00000054314;

**Gene ID**

57339

**mRNA Refseq**

NM\_020604

**Protein Refseq**

NP\_065629

**UniProt ID**

Q9ET80

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