

## Recombinant Mouse Nt5c1b Protein, His-tagged

Cat. No. Nt5c1b-1866M Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Mouse Nt5c1b Protein (Arg261-Asn573) with N-His tag was expressed in E. coli.  |
| <b>Species</b>          | Mouse  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | Arg261-Asn573  |
| <b>Description</b>      | Enables 5'-nucleotidase activity. Involved in AMP catabolic process and allantoin metabolic process. Acts upstream of or within nucleoside metabolic process. Is active in cytosol. Is expressed in several structures, including genitourinary system; gut; and skin. Orthologous to several human genes including NT5C1B-RDH14 (NT5C1B-RDH14 readthrough). |
| <b>Form</b>             | Freeze-dried powder  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 39.1 kDa<br>Accurate Molecular Mass: 39 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**

Nt5c1b 5-nucleotidase, cytosolic IB [ *Mus musculus* (house mouse) ]

**Official Symbol**

Nt5c1b

**Synonyms**

NT5C1B; 5-nucleotidase, cytosolic IB; cytosolic 5-nucleotidase 1B; cN1B; 5nucleotidase; cytosolic 5-nucleotidase IB; autoimmune infertility-related protein; AIRP; CN-IB; 4921514H13Rik;

**Gene ID**

70881

**mRNA Refseq**

NM\_027588

**Protein Refseq**

NP\_081864

**UniProt ID**

Q91YE9

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