

# Recombinant Rat 5'-Nucleotidase/NT5E/CD73 Protein

Catalog No.: RP00570 Recombinant

### **Sequence Information**

Species Gene ID Swiss Prot Rat 58813 P21588

### Tags

C-6×His

### **Synonyms**

CD73; E5NT; Nucleotidase; NT5E; ecto-5'-nucleotidase

### **Product Information**

**Source** Purification HEK293 cells ≥ 90 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

59 kDa 70-90 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.Contact us for customized product form or formulation.

#### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### **Contact**

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### **Background**

CD73, also known as Ecto-5'-nucleotidase, is an ectoenzyme that is attached to the cell membrane by a glycosylphophatidylinositol anchor. The enzyme is expressed by most cell types. The 5 '-Nucleotidase activity of CD73converts extracellular nucleoside-5 '-monophosphates to nucleosides. CD73 is one of several enzymesresponsible for the production of extracellular adenosine, a signaling molecule that is involved in responses toinflammation and tissue injury. CD73 hydrolyzes extracellular nucleotides into membrane permeablenucleosides.

#### **Basic Information**

### Description

Recombinant Rat 5'-Nucleotidase/NT5E/CD73 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Trp29-Lys549) of rat 5'-Nucleotidase/NT5E/CD73 (Accession #P21588) fused with a 6×His tag at the C-terminus.

#### **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at  $-20^{\circ}$ C. Store the lyophilized protein at  $-20^{\circ}$ C to  $-80^{\circ}$ C up to 1 year from the date of receipt.

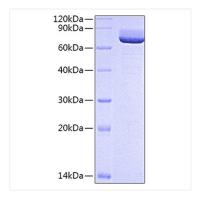
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

## **Validation Data**



Recombinant Rat 5'-Nucleotidase/NT5E/CD73 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.