# Rat CD73 / NT5E (His Tag) recombinant protein

Catalog Number: 502460



## **General Information**

### Gene Name Synonym

5' nucleotidase, ecto, isoform CRA\_a; 5'-nucleotidase

#### **Protein Construction**

A DNA sequence encoding the rat NT5E(Q66HL0) (Met1-Lys549) was expressed with a polyhistidine tag at the C-terminus.

## **Organism**

Rat

## **Expression Host**

**Human Cells** 

# **QC Testing**

## **Activity**

Measured by its ability to hydrolyze the 5'-phosphate group from the substrate adenosine-5'-monophosphate (AMP). The orthophosphate product is measured by a Malachite Green Phosphate Detection Kit (Catalog # DY996). The specific activity is >15,000 pmol/min/µg.

#### **Purity**

> 90 % as determined by SDS-PAGE

### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### **Predicted N terminal**

## Trp 29

### **Molecular Mass**

The recombinant rat NT5E comprises 532 amino acids and predicts a molecular mass of 59.4 kDa. The apparent molecular mass of the recombinant protein is approximately 59 kDa in SDS-PAGE under reducing conditions due to glycosylation.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4.

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

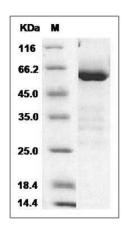
## **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Rat CD73 / NT5E Protein (His Tag) SDS-PAGE