

## Active Recombinant Rat Nt5e protein, His-tagged

Cat. No. Nt5e-2210M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Nt5e protein(Q66HL0)(Met1-Lys549), fused with His tag, was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Lys549
<b>Form</b>	Lyophilized from sterile 20mM Tris, 120 mM NaCl, 4 mM CaCl <sub>2</sub> , 20 % glycerol, pH 7.5. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	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. The specific activity is >15,000 pmol/min/g.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 90 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C  
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** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** Nt5e 5 nucleotidase, ecto [ *Rattus norvegicus* ]

**Official Symbol** Nt5e

**Synonyms** NT5E; 5 nucleotidase, ecto; 5-nucleotidase; 5-NT; ecto-5-nucleotidase; Nt5; CD73; MGC112615;

**Gene ID** 58813

**mRNA Refseq** NM\_021576

**Protein Refseq** NP\_067587

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