

Active Recombinant Rat Nt5e protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Nt5e protein(Q66HL0)(Met1-Lys549), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Lys549
Form	Lyophilized from sterile 20mM Tris, 120 mM NaCl, 4 mM CaCl ₂ , 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.
Bio-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. The specific activity is >15,000 pmol/min/g.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 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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