

Recombinant Cynomolgus 5'-Nucleotidase/NT5E/CD73 Protein

Catalog No.: RP02630 Recombinant

Sequence Information

Species Gene ID Swiss Prot Cynomolgus EHH53214.1

Tags C-His

Synonyms

CD73; NT5E; NTE; 5' nucleotidase (CD73); 5'-NT; 5-NT; E5NT; EC 3.1.3.5; eN; eNT; NT; NT55'-nucleotidase; NT5; NTE; CALJA

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by Tris-Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

59.6 kDa 60-70 kDa

Endotoxin

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

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 enzyme that in humans is encoded by the NT5E gene.CD73 commonly serves to convert AMP to adenosine.The enzyme consists of a dimer of 2 identical 70-kD subunits bound by a glycosyl phosphatidyl inositol linkage to the external face of the plasma membrane. The enzyme is used as a marker of lymphocyte differentiation. A? deficiency of CD73 occurs in a variety of immunodeficiency diseases.

Basic Information

Description

Recombinant Cynomolgu 5'-Nucleotidase/NT5E/CD73 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Trp27-Cys554) of Cynomolgus 5'-Nucleotidase/NT5E/CD73 fused with 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°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

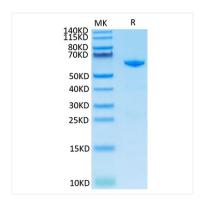
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

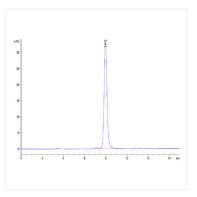
Operational Notes

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

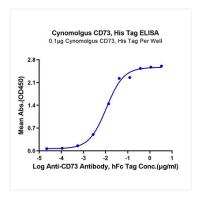
Validation Data



Recombinant Cynomolgus 5'-Nucleotidase/NT5E/CD73 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Cynomolgus CD73 is greater than 95% as determined by SEC-HPLC.



Immobilized Cynomolgus CD73, His Tag at 1 μ g/ml (100 μ l/Well) on the plate. Dose response curve for Anti-CD73 Antibody, hFc Tag with the EC $_{50}$ of 10.8ng/ml determined by ELISA.