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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
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃
Avoid repeated freeze/thaw cycles.

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

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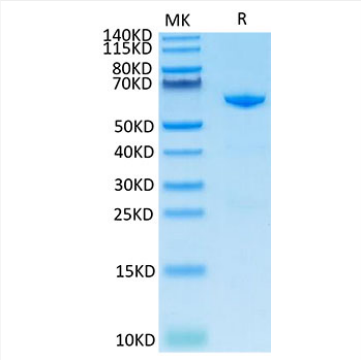
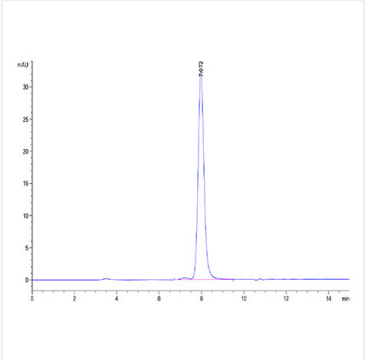
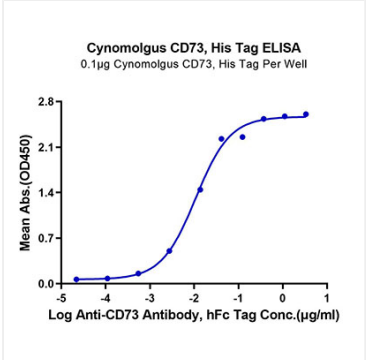
Validation Data



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 1μg/ml (100μl/Well) on the plate. Dose response curve for Anti-CD73 Antibody, hFc Tag with the EC_{50} of 10.8ng/ml determined by ELISA.