Recombinant Rat 5'-Nucleotidase/NT5E/CD73 Protein

Catalog No.: RP00570

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Sequence Information

Species	Gene ID
Rat	58813
Swiss Prot	**Tags**
P21588	C-6×His

Synonyms
CD73; E5NT;Nucleotidase; NT5E; ecto-5'-nucleotidase

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
59 kDa	70-90 kDa

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

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS,pH7.4.Contact us for customized product form or 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.

Background

CD73, also known as Ecto-5'-nucleotidase, is an ectoenzyme that is attached to the cell membrane by a glycosylphophatidylinositol anchor. The enzyme is expressed by most cell types. The 5 ' -Nucleotidase activity of CD73converts extracellular nucleoside-5 ' -monophosphates to nucleosides. CD73 is one of several enzymesresponsible for the production of extracellular adenosine, a signaling molecule that is involved in responses toinflammation and tissue injury. CD73 hydrolyzes extracellular nucleotides into membrane permeablenucleosides.

Basic Information

Description
Recombinant Rat 5'-Nucleotidase/NT5E/CD73 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Trp29-Lys549) of rat 5'-Nucleotidase/NT5E/CD73 (Accession #P21588) fused with a 6×His tag at the C-terminus.

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℃

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

Contact

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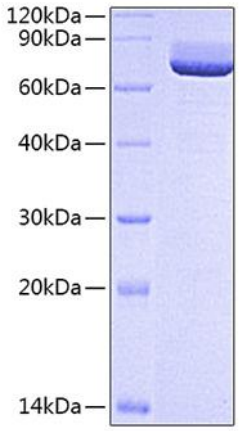
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Rat 5'-Nucleotidase/NT5E/CD73 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.