

RP00570

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Recombinant Rat CD73/5'-Nucleotidase/NT5E Protein

Catalog No.: RP00570

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Rat	58813	P21588

Tags

C-6×His

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Background

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

Basic Information

Description

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

Bio-Activity

Storage

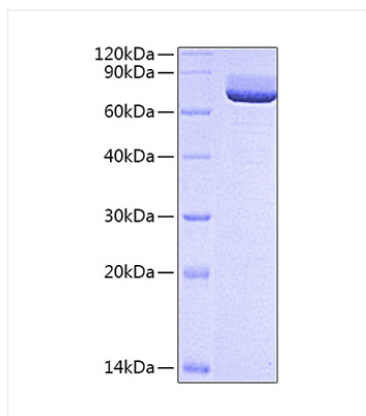
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



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