

Recombinant Cynomolgus 5'-Nucleotidase/CD73/NT5E Protein (His Tag)

Catalog No. PKSQ050049

Note: Centrifuge before opening to ensure complete recovery of vial contents.

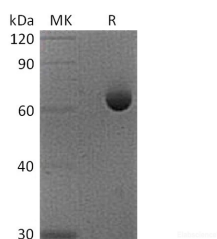
Description

Synonyms	5'-Nucleotidase;5'-NT;Ecto-5'-Nucleotidase;CD73;NT5E;NT5;NTE
Species	Cynomolgus macaques
Expression Host	HEK293 Cells
Sequence	Trp27-Lys547
Accession	G7P3J1
Calculated Molecular Weight	58.8 kDa
Observed molecular weight	58-80 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM CaCl ₂ , 20% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CD73, also known as Ecto-5'-nucleotidase, is an ectoenzyme that is attached to the cell membrane by a glycosyl phosphatidylinositol 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.

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