

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

Catalog No. PKSQ050049

### Description

<b>Synonyms</b>	5'-Nucleotidase; 5'-NT; Ecto-5'-Nucleotidase; CD73; NT5E; NT5; NTE
<b>Species</b>	Cynomolgus
<b>Expression_host</b>	Human Cells
<b>Sequence</b>	Trp27-Lys547
<b>Accession</b>	G7P3J1
<b>Mol_Mass</b>	58.8 kDa
<b>AP_Mol_Mass</b>	58-80 kDa
<b>Tag</b>	C-His

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM CaCl <sub>2</sub> , 20% Glycerol, pH 7.5.
<b>Reconstitution</b>	Not Applicable

### 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.

## SDS-PAGE

