



# Recombinant Protein Technical Manual

**Recombinant Cynomolgus 5'-  
Nucleotidase/CD73/NT5E Protein (His Tag)**  
RPES3273

## Product Data:

**Product SKU:** RPES3273

**Size:** 10µg

**Species:** Cynomolgus

**Expression host:** Human Cells

**Uniprot:** G7P3J1

## Protein Information:

**Molecular Mass:** 58.8 kDa

**AP Molecular Mass:** 58-80 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg 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. 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<sub>2</sub>, 20% Glycerol, pH 7.5.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** 5'-Nucleotidase; 5'-NT; Ecto-5'-Nucleotidase; CD73; NT5E; NT5; NTE

## Immunogen Information:

**Sequence:** Trp27-Lys547

## 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.