



Recombinant Protein Technical Manual  
Recombinant Mouse CD73/NT5E Protein (His Tag)  
RPES0420

### Product Data:

**Product SKU:** RPES0420

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** NP\_035981.1

### Protein Information:

**Molecular Mass:** 58.8 kDa

**AP Molecular Mass:** 60 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by 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/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 120mM NaCl, 4mM CaCl<sub>2</sub>, 20% Glycerol, pH 7.5.

**Reconstitution:** Please refer to it for detailed information.

**Application:**

**Synonyms:** 5'-nucleotidase; Ecto-5'-nucleotidase; CD73; 5'-NT; AI447961; eNT; NT; Nt5 Protein

## Immunogen Information:

**Sequence:** Met 1-Lys 549

## Background:

Mouse CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the 5'-nucleotidase family. CD73 is an ecto 5'-Nucleotidase expressed by most cell types. CD73 hydrolyzes extracellular nucleotides into membrane permeable 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 is a lymphocyte maturation marker that has functions independent of its catalytic activity. CD73 is also a regulator of leukocyte extravasation, a function that requires its 5'-Nucleotidase activity. CD73 has also been reported to regulate expression of pro-inflammatory molecules in mouse endothelium.