

## Recombinant Mouse CD73/NT5E Protein (His Tag)

**Catalog No.** PKSM041234

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

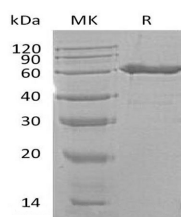
### Description

<b>Synonyms</b>	5'-nucleotidase;Ecto-5'-nucleotidase;CD73;5'-NT;AI447961;eNT;NT;Nt5 Protein
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Trp29-Phe550
<b>Accession</b>	Q61503
<b>Calculated Molecular Weight</b>	58.8 kDa
<b>Observed molecular weight</b>	60 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein 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

### Data



> 95 % as determined by reducing SDS-PAGE.

### 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

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extravasation, a function that requires its 5'Nucleotidase activity. CD73 has also been reported to regulate expression of pro-inflammatory molecules in mouse endothelium.