Recombinant Mouse 5’-Nucleotidase/NT5E/CD73 Protein

RPCB1558

Protein Information

Size:	10 µg , 20 µg , 50 µg , 100 µg	**Tag:**	C-His
Reactivity:	Mouse	**Expressed Host:**	HEK293 cells
Calculated MW:	58.90 kDa	**Observerd MW:**	66 kDa

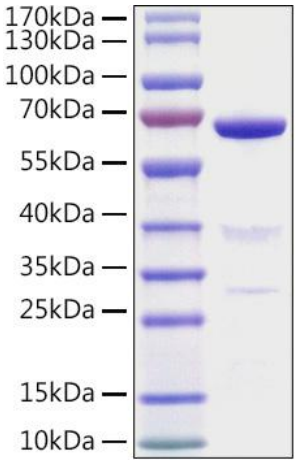
Background

5‘-nucleotidase, also known as NT5E, NTE, and CD73, is a cell membrane protein that belongs to the 5’-nucleotidase family. CD73 is a glycosylphosphatidylinositol (GPI) anchored purine salvage enzyme expressed on the surface of human T and B lymphocytes. CD73 catalyzes the conversion of purine and pyrimidine ribo- and deoxyribonucleoside monophosphates to the corresponding nucleosides. CD73 serves as a costimulatory molecule in activating T cells. CD73 generated adenosine functions in cell signaling in many physiologic systems, including intestinal epithelium, ischemic myocardium, and cholinergic synapses. CD73 might mediate lymphocyte-stromal cell interactions or condition the local microenvironment to facilitate lymphocyte development and/or function. In CD73-depleted cells, surface levels of the leukocyte adhesion molecules ICAM-1, VCAM-1, and E-selectin increase. CD73 produces extracellular adenosine, which then acts on G protein-coupled purinergic receptors to induce cellular responses. CD73 has also been reported to regulate the expression of pro-inflammatory molecules in mouse endothelium.

Properties

Synonyms:	CD73, NT5E, NT, Nt5, eNT, 5'-NT, AI447961, CD73
Gene ID:	23959
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Mouse 5'-Nucleotidase/NT5E/CD73 Protein (RPCB1558), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
Storage:	Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

Validation Data



Recombinant Mouse 5'-Nucleotidase/NT5E/CD73 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.