

37-1203: Human CD73 / NT5E Recombinant Protein (His Tag)(Discontinued)

Reactivity :	Human
Alternative Name :	CALJA Protein, CD73 Protein, E5NT Protein, eN Protein, eNT Protein, NT Protein, NT5 Protein, NTE Protein,

Description

Source : HEK293 Cells

5'-nucleotidase, also known as NT5E, NTE, and CD73, is a cell membrane protein which belongs to the 5'-nucleotidase family. CD73 is a glycosyl phosphatidylinositol (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 signalling 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 purigenic receptors to induce cellular responses. CD73 has also been reported to regulate expression of pro-inflammatory molecules in mouse endothelium.

Product Info

Amount :	Human CD73 / NT5E Recombinant Protein (His Tag)(Discontinued) / 20 µg
Purification :	> 95 % as determined by SEC-HPLC Analysis Formulation Lyophilized from sterile 20mM Tris, 120 mM NaCl, 4 mM CaCl ₂ , 20 % glycerol, pH 7.5.
Content :	Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Met1-Lys547

Application Note

Endotoxin :< 1.0 EU per µg protein as determined by the LAL method.

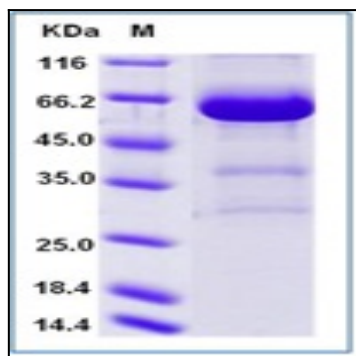


Fig 1: Human CD73 / NT5E Recombinant Protein (His Tag)