

Product Name: Recombinant Human CD73 (P21589, C-6His)
Catalog #: PHH2091

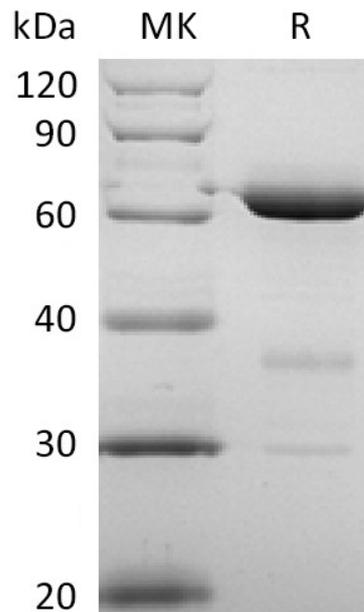


Summary

Name	CD73/5'-Nucleotidase/5'-NT
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human 5-Nucleotidase is produced by our Mammalian expression system and the target gene encoding Trp27-Lys547 is expressed with a 6His tag at the C-terminus.
Accession #	P21589
Host	Human Cells
Species	Human
Predicted Molecular Mass	58.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM CaCl ₂ , 20% Glycerol, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

5-Nucleotidase; 5-NT; Ecto-5-Nucleotidase; CD73; NT5E; NT5; NTE

Background

CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the 5-nucleotidase family. CD73 is an ecto 5Nucleotidase 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 5Nucleotidase activity. Defects in NT5E are the cause of calcification of joints and arteries (CAJA). The recombinant CD73 lacking GPI anchor is secreted as a monomer.

Note

For Research Use Only , Not for Diagnostic Use.