Summary

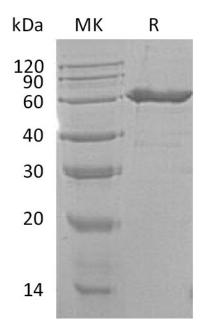|	
Name	CD73/5'-Nucleotidase/NT5E
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/µg as determined by LAL test.
Construction	Recombinant Mouse 5-Nucleotidase is produced by our Mammalian expression system and the target gene encoding Trp29-Phe550 is expressed with a 6His tag at the C-terminus.
Accession #	Q61503
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	58.8 KDa
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM CaCl2, 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

Alternative Names

5-nucleotidase; Ecto-5-nucleotidase; CD73; 5-NT

Background

Mouse 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.CD73 has also been reported to regulate expression of pro-inflammatory molecules in mouse endothelium.

Note

For Research Use Only , Not for Diagnostic Use.