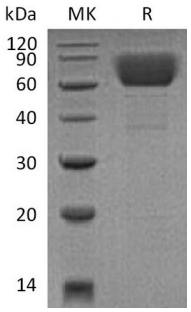
Product Name: Recombinant Mouse CD39 (C-6His)
Catalog #: PHM0574

Summary

Name	CD39/ENTPD1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Ectonucleoside Triphosphate Diphosphohydrolase 1 is produced by our Mammalian expression system and the target gene encoding Thr38-Ile478 is expressed with a 6His tag at the C-terminus.
Accession #	P55772
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	50.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 10% Glycerol, pH 7.4.
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



Background

Alternative Names	Ectonucleoside triphosphate diphosphohydrolase 1; NTPDase 1; NTPDase 1; Ecto-ATP diphosphohydrolase 1; Ecto-ATPDase 1; Ecto-ATPase 1; Ecto-apyrase; Lymphoid cell activation antigen; CD39
Background	Ectonucleoside triphosphate diphosphohydrolase-1(NTPDase-1) is an integral

membrane protein with an extracellular active site. NTPDase-1 was originally described as CD39, a B lymphocyte cell surface marker. But it is also present on the surface of natural killer cells, T cells, and some endothelial cells. NTPDase1 hydrolyzes the β-andγ phosphate residues of nucleotides, preferring ATP as the substrate. Through its hydrolysis of extracellular nucleotides, NTPDase-1 plays a role in the regulation of purinergic signaling. NTPDase-1 is involved in the processes of thromboregulation and vascular inflammation. The administration of soluble NTPDase-1 may have therapeutic applications for the treatment of some vascular and transplantation-associated diseases.

Note

For Research Use Only , Not for Diagnostic Use.