

# Recombinant Mouse NTPDase 2/ENTPD2 Protein (His Tag)



Catalog Number:PKSM041340

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

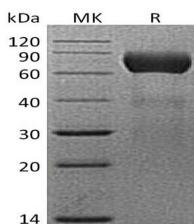
## Description

<b>Synonyms</b>	Ectonucleoside triphosphate diphosphohydrolase 2;Entpd2;Ecto-Nucleoside Triphosphate Diphosphohydrolase 2
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Cys26-Ser462
<b>Accession</b>	O55026
<b>Calculated Molecular Weight</b>	49.2 kDa
<b>Observed molecular weight</b>	63-90 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 50mM Tris-HCl, 10mM CaCl <sub>2</sub> , 150mM NaCl, 10% Glycerol, pH 7.5.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

CD39L1 protein (ENTPD2 or NTPDase2) is a member of the ecto-nucleoside triphosphate diphosphohydrolase family which the main role is termination of purinergic signaling. CD39L1 gene encodes a precursor protein with 495 amino acid residues which generates a 437 amino acid residues mature protein after processing. It is an ecto-nucleotidase that found on the surface of vascular adventitial cells and accessory vascular cells. CD39L1 is a Ca<sup>2+</sup>- and Mg<sup>2+</sup>-dependent enzyme that activates platelets by preferentially converting ATP to ADP. CD39L1 plays a role in regulating thrombosis and inflammation which is considered to be a therapeutic target for thromboregulation and the treatment of vascular inflammation. Alternative splicing of CD39L1 gene results in multiple transcript variants.

## For Research Use Only

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Fax: 1-832-243-6017