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

**Catalog Number:PKSM041340**

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

## Description

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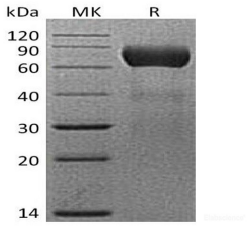
|---|---|
| **Synonyms** | Ectonucleoside triphosphate diphosphohydrolase 2;Entpd2;Ecto-Nucleoside Triphosphate Diphosphohydrolase 2 |
| **Species** | Mouse |
| **Expression Host** | HEK293 Cells |
| **Sequence** | Cys26-Ser462 |
| **Accession** | O55026 |
| **Calculated Molecular Weight** | 49.2 kDa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

## Properties

| | |
|---|---|
| **Purity** | > 95 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |
| **Shipping** | 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. |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, 10mM $CaCl_2$, 150mM NaCl, 10% Glycerol, pH 7.5. |
| **Reconstitution** | 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 Ca2+- and Mg2+-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.

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