Recombinant Mouse NTPDase 2/ENTPD2 Protein (His Tag)

Catalog Number: PKSM041340

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

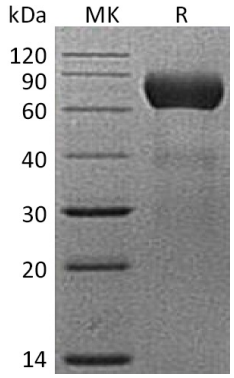
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse NTPDase 2/ENTPD2 protein Cys26-Ser462, with an C-terminal His
Calculated MW	49.2 kDa
Observed MW	63-90 kDa
Accession	O55026
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

Data



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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