



Recombinant Protein Technical Manual

Recombinant Mouse NTPDase 2/ENTPD2 Protein (His Tag) RPES1791

Product Data:

Product SKU: RPES1791

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: O55026

Protein Information:

Molecular Mass: 49.2 kDa

AP Molecular Mass: 63-90 kDa

Tag: C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 50mM Tris, 10mM CaCl₂, 150mM NaCl, 10% Glycerol, pH 7.5 .

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Ectonucleoside triphosphate diphosphohydrolase 2; Entpd2; Ecto-Nucleoside Triphosphate Diphosphohydrolase 2

Immunogen Information:

Sequence: Cys26-Ser462

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^{2+} - and Mg^{2+} -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.