

Recombinant Mouse Enpp1 protein, Myc/DDK-tagged

Cat. No. Enpp1-78M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Enpp1 protein transcript variant 2, fused to Myc/DDK-tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the nucleoside pyrophosphatase/phosphodiesterase family of enzymes that catalyzes the hydrolysis of pyrophosphate and phosphodiester bonds in nucleotide triphosphates and oligonucleotides, respectively, to generate nucleoside 5'-monophosphates. The encoded protein is a type II transmembrane glycoprotein that negatively regulates bone mineralization. Mice harboring a nonsense mutation in this gene, termed tiptoe walking (ttw), exhibit ectopic ossification of the spinal ligaments. The encoded protein binds to the insulin receptor, inhibits downstream signaling events and induces insulin resistance and glucose tolerance. This gene is located adjacent to a paralog on chromosome 10. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	80 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	103.5 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 µg/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	Enpp1
Official Symbol	Enpp1
Synonyms	Pca; ttw; twy; M6S1; NPP1; Npps; PC-1; Ly-41; Pca-1; Pdnp1; C76301; CD203c; E-NPP1; E-NPP 1; AI428932; 4833416E15Rik
Gene ID	18605
mRNA Refseq	NM_008813.4
Protein Refseq	NP_032839.3
UniProt ID	P06802

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