

Datasheet for ABIN7319628

ENPP2 Protein (AA 36-863) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	ENPP2
Protein Characteristics:	AA 36-863
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Autotaxin/ENPP2 Protein (aa 36-863, His Tag)
Sequence:	Ala36-Ile863
Characteristics:	Recombinant Human ENPP2 is produced by our Mammalian expression system and the target gene encoding Ala36-Ile863 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ENPP2
Alternative Name:	Autotaxin/ENPP2 (ENPP2 Products)
Background:	Background: ENPP-2, also known as Autotaxin, belongs to the ectonucleotide

Target Details

pyrophosphatase/phosphodiesterase (NPP) family. Some NPPs hydrolyze phosphates from nucleotides and their derivatives. ENPP-2 shares 40 - 50 % identity to ENPP1 & 3, all of which contain a N-terminal intracellular domain, a single transmembrane domain and a large extracellular domain that includes a catalytic domain, two somatomedin-B-like domains, and a C-terminal nuclease-like domain. Evidence shows LPA and sphingosine 1-phosphate to be specific inhibitors of ENPP-2. ENPP-2 was originally found to stimulate tumor cell motility and has since been found to enhance tumor invasion and metastasis and to be up-regulated in several types of carcinomas including breast and lung.

Synonym: ATX, ATXFLJ26803, ATX-X, Autotaxin, autotaxin-t, EC 3.1.4.39, ectonucleotide pyrophosphatase/phosphodiesterase 2, E-NPP 2, ENPP2, LysoPLD, NPP2, PD-IALPHA, PDNP2, PDNP2NPP2

Molecular Weight:	90 kDa
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UniProt:	Q13822
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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