Datasheet for ABIN7195473

ENPP2 Protein (AA 49-863) (His tag)

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Overview

Quantity:	50 µg
Target:	ENPP2
Protein Characteristics:	AA 49-863
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Autotaxin/ENPP2 Protein (aa 49-863, His Tag)
Sequence:	Asp 49-Ile 863
Characteristics:	A DNA sequence encoding the mature form of human ENPP2 (AAH34961.1) (Asp 49-Ile 863) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 88 % 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: ENPP2 (Ectonucleotide pyrophosphatase/phosphodiesterase family member 2),

Target Details

	also referred as Autotaxin, is a secreted enzyme encoded by the ENPP2 gene. This gene product stimulates the motility of tumor cells, has angiogenic properties, and its expression is upregulated in several kinds of carcinomas. The Autotaxin protein is important for generating the lipid signaling molecule lysophosphatidic acid (LPA), which is a potent mitogen, which facilitates cell proliferation and migration, neurite retraction, platelet aggregation, smooth muscle contraction, actin stress formation and cytokine and chemokine secretion. ATX has been found to catalyze the formation of cyclic phosphatidic acid (cPA), which have antitumor role by antimitogenic regulation of cell cycle, inhibition of cancer invasion and metastasis. LPA receptors and ATX are upregulated in numerous cancer cell types and show expression patterns that correlate with tumor cell invasiveness. Thus, Autotaxin has recently emerged as an attractive target for the development of anti-cancer chemotherapeutics. In addition, Serum ATX activity was found to be enhanced in relation to hepatic fibrosis in chronic liver disease due to hepatitis virus C infection. 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:	96 kDa

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
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.