

Datasheet for ABIN7596255

ENPP2 Protein (AA 49-863) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	ENPP2
Protein Characteristics:	AA 49-863
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ENPP2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	MDSPWTN ISGSCKGRCF ELQEAGPPDC RCDNLCKSYT SCCHDFDELC LKTARGWECT KDRCGEVRNE ENACHCSEDC LARGDCCTNY QVCKGESHV VDDDCEEIKA AECPAGFVRP PLIIFSVDGF RASYMKKGSK VMPNIEKLRS CGTHSPYMRP VYPTKTFPNL YTLATGLYPE SHGIVGNSMY DPVFDATFHL RGREKFNHRW WGGQPLWITA TKQGVKAGTF FWSVVIPIHER RILTILQWLT LPDHERPSVY AFYSEQPDFS GHKYGPFGE MTNPLREIDK IVGQLMDGLK QLKLHRCVNV IFVGDHGMED VTCDRTEFLS NYLTNVDDIT LVPGLTGRIR SKFSNNAKYD PKAIIANLTC KKPQHFHFKPY LKQHLPKRLH YANNRRIEDI HLLVERRWHV ARKPLDVYKK PSGKCFQGD HGF DNKVNSM QTVFVGYGST FKYKTKVPPF ENIELYNVMC DLLGLKPAPN NGTHGSLNHL LRTNTRPTM PEEVTRPNYP GIMYLQSDFD LGCTCDDKVE PKNKLDELNK RLHTKGSTEE RHLLYGRPAV LYRTRYDILY HTDFESGYSE IFLMPLWTSY TVSKQAEVSS VPDHLTSCVR PDVRVSPSFS QNCLAYKNDK QMSYGFLFPP YLSSSPEAKY DAFLVTNMVP
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Product Details

MYPAFKRVWN YFQRLVKKY ASERNGVNV I SGPIFDYDYD GLHDTEDKIK QYVEGSSIPV
PTHYYSIITS CLDFTQPADK CDGPLSVSSF ILPHRPDNEE SCNSSEDESK WVEELMKMHT
ARVRDIEHLT SLDFFRKTSR SYPEILTLKT YLHTYESEI

Purity:	> 90% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 15,000 units/mg, and defined as the amount of enzyme that hydrolyze 1nmole of bis(p-Nitrophenyl) phosphate per minute at pH8.7 at 37°C.

Target Details

Target:	ENPP2
Alternative Name:	ENPP-2/Autotaxin (ENPP2 Products)
Background:	ENPP-2, also known as Autotaxin, belongs to the ectonucleotide pyrophosphatase/phosphodiesterase (NPP) family. ENPP-2 is able to cleave the phosphodiester bond between the α and the β position of triphosphate nucleotides, acting as an ectonucleotide phosphodiesterase producing pyrophosphate , as most members of the ENPP family. It is unlike ENPP-1 and ENPP-3, has weak activity against nucleotides, but exhibits a lysophospholipase D activity which allows the formation of lysophosphatidic acid (LPA) and choline from lysophosphatidylcholine. Also, ENPP-2 and LPA are involved in numerous inflammatory-driven diseases such as asthma and arthritis. Recombinant human ENPP-2/Autotaxin, fused to His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.
Molecular Weight:	94.9kDa (825aa)
NCBI Accession:	NP_001035181

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL

Handling

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.