

Autotaxin/E-NPP2 Recombinant Protein | E-NPP2 recombinant protein

Recombinant Human Autotaxin/E-NPP2 Protein

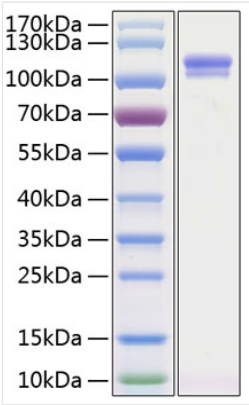
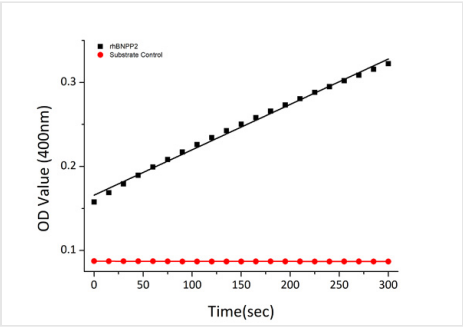
CATALOG # AAA283381	HOST HEK293 cells
-------------------------------	-----------------------------

PRODUCT SYNONYMS

Autotaxin/E-NPP2; Recombinant Human Autotaxin/E-NPP2 Protein; ENPP2; ATX; ATX-X; AUTOTAXIN; LysoPLD; NPP2; PD-IALPHA; PDNP2; E-NPP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	>90% by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH7.4.Contact us for customized product form or formulation.
Sequence	DSPWTNISGS CKGRCFELQE AGPPDCRCDN LCKSYTSCCH DFDELCLKTA RGWECTKDRC GEVRNEENAC HCEDECLARG DCCTNYQVVC KGESHWVDDD CEEIKAAECP AGFVRPPLII FSVDGFRASY MKKGSKVMPN IEKLRSCTH SPYMRPVYPT KTFPNLYTLA TGLYPESHGI VGNSMYDPVF DATFHLRGRE KFNHRWWGGQ PLWITATKQG VKAGTFFWSV VIPHERRILT ILQWLTLPDH ERPSVYAFYS EQPDFSGHKY GPFGEPMTNP LREIDKIVGQ LMDGLKQLKL HRCVNVIFVG DHGMEDVTCD RTEFLSNYLT NVDDITLVPG TLGRIRSKFS NNAKYDPKAI IANLTCKKPD QHFKPYLKQH LPKRLHYANN RRIEDIHLLV ERRWHVARKP LDVYKKPSGK CFFQGDHGFD NKVNSMQTVF VGYGSTFKYK TKVPPFENIE LYNVMCDLLG LKPAPNNGTH GSLNHLLRTN TFRPTMPEEV TRPNYPGIMY LQSDFDLGCT CDDKVEPKNK LDELNKRHLT KGSTEERHLL YGRPAVLYRT RYDILYHTDF ESGYSEIFLM PLWTSYTVSK QAEVSSVPDH LTSCVRPDVR VSPSFSQNCL AYKNDKQMSY GFLFPPYLSS SPEAKYDAFL VTNMVPMYPA FKRWWNYFQR VLVKKYASER NGVNVISGPI FDYDYDGLHD TEDKIKQYVE GSSIPVPTHY YSIITSCLDF TQPADKCDGP LSVSSFILPH RPDNEESCNS SEDESKWVEE LMKMHTARVR DIEHLTSLDF FRKTSRSTYPE ILTLKTYLHT YESEI
Species	Human
Tag	N-His
Endotoxin	<1 EU/ug of the protein by LAL method.
Bio-Activity	Measured by its ability to cleave Bis (p-Nitrophenyl) Phosphate (BNPP). The specific activity is >15000 pmol/min/ug, as measured under the described conditions.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.



Application Data

Recombinant Human Autotaxin/E-NPP2 cleave Bis (p-Nitrophenyl) Phosphate (BNPP). The specific activity is >15000 pmol/min/ug, as measured under the described conditions.

SDS-PAGE

Recombinant Human Autotaxin/E-NPP2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 100-120kDa.

ADDITIONAL INFORMATION

Related Product Information for E-NPP2 recombinant protein

ENPP-2, also known as Autotaxin, belongs to the ectonucleotide 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.

Product Categories/Family for E-NPP2 recombinant protein

Other Recombinant Protein; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	290457674
NCBI GeneID	5168
UniProt Accession #	Q13822; Q13827; Q14555; Q15117; Q9UCQ8; Q9UCR0; Q9UCR1; Q9UCR2; Q9UCR3; Q9UCR4; A8UHA1; E9PHP7
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2
UniProt Gene Name	ENPP2
UniProt Synonym Gene Names	ATX; PDNP2; E-NPP 2; LysoPLD
UniProt Entry Name	ENPP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.