

Recombinant Human ENPP2 Protein

Cat. No. ENPP2-795H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ENPP2 protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	794
Description	The protein encoded by this gene functions as both a phosphodiesterase, which cleaves phosphodiester bonds at the 5' end of oligonucleotides, and a phospholipase, which catalyzes production of lysophosphatidic acid (LPA) in extracellular fluids. LPA evokes growth factor-like responses including stimulation of cell proliferation and chemotaxis. This gene product stimulates the motility of tumor cells and has angiogenic properties, and its expression is upregulated in several kinds of carcinomas. The gene product is secreted and further processed to make the biologically active form. Several alternatively spliced transcript variants encoding different isoforms have been identified.
Form	Lyophilized
Molecular Mass	61.5 kDa
AA Sequence	MELRPWLLWVVAATGTLVLLAADAQGQKVFTNTWAVRIPGGPAVANSVARKHGFL NLGQIFGDYYHFWHRGVTKRSLSPHRPRHSRLQREPQVQWLEQQVAKRRTKRDV YQEPTDPKFPQQWYLSGVTQRDLNVKAAWAQGYTGHGIVVSILDDGIEKNHPDLAG

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NYDPGASFDVNDQDPDPQPRYTQMNDNRHGTRCAGEVAAVANNGVCGVGVAYN
 ARIGGVRMLDGEVTDAVEARSLGLNPNHIHIYSASWGPEDDGKTVDPARLAEEAF
 FRGVSQGRGGLGSIFVWASGNNGGREHDSNCNDGYTNSIYTLSSISSATQFGNVPWY
 SEACSSTLATTYSSGNQNEKQIVTTDLRQKCTESHTGTSASAPLAAGIIALTLEANKN
 LTWRDMQHLVVQTSKPAHLNANDWATNGVGRKVSYSYGYGLLDAGAMVALAQNW
 TTVAPQRKCIIDILTEPKDIGKRLEVRKTVTACLGEPNHITRLEHAQARLTLSYNRRGD
 LAIHLVSPMGRSTRLLAARPHDYSADGFNDWAFMTTHSWDEDPGSEWVLEIENTSE
 ANNYGTLTKFTLVLYGTAPGLPVPPESSGCKTLTSSQACVVCEEGLHQLKSCVQ
 HCPPGFAPQVLDTHYSTENDVETIRASVCAPCHASCATCQGPALTDCLSCPSHASL
 DPVEQTCSRQSQSSRESPPQQPPRLPPEVEAGQRLRAGLLPSHLPEVVAGLSA
 FIVLVFVTVFLVLQLRSGFSFRGVKVTMDRGLISYKGLPPEAWQEECPDSEDEG
 RGERTAFIKDQSAL

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H ₂ O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal

performance.

GENE INFORMATION

Gene Name	ENPP2 ectonucleotide pyrophosphatase/phosphodiesterase 2 [Homo sapiens (human)]
Official Symbol	ENPP2
Synonyms	ENPP2; ectonucleotide pyrophosphatase/phosphodiesterase 2; PDNP2; ectonucleotide pyrophosphatase/phosphodiesterase family member 2; ATX; autotaxin; PD IALPHA; E-NPP 2; autotaxin-t; plasma lysophospholipase D; extracellular lysophospholipase D; phosphodiesterase I/nucleotide pyrophosphatase 2; NPP2; ATX-X; LysoPLD; AUTOTAXIN; PD-IALPHA; FLJ26803;
Gene ID	5168
mRNA Refseq	NM_001040092
Protein Refseq	NP_001035181
MIM	601060
UniProt ID	Q13822

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