

**Recombinant Human Enpp2 (HEK293)**

Catalog Number	Size
AG451-10	10ug
AG451-25	25ug
AG451-B	Bulk

Specifications and Use**Description**

Recombinant human ENPP2/ATX (ectonucleotide pyrophosphatase-phosphodiesterase 2) is a single polypeptide chain with a 8His tag at the C-terminus. It contains 925 (915+10) amino acids, and having a predicted molecular mass of approximately 106.4kD and migrates in SDS-PAGE with an apparent molecular mass of 110kD.

MARRSSFQSCQIISLFTFAVGVNIGLGFTHRIKRAEGWEEGPPTVLSDS
PWTNISGSKGRCFELQEAGPPDCRCDNLCKSYTSCCHDFDELCLKTARG
WECTKDRCGEVRNEENACHCEDCLARGDCCTNYQVVKGESHVDDDDCE
EIKAAECPAGFVRPPLIIFSVDGFRASYMKKGSKVMPNIEKLRSCGTHSP
YMRPVYPTKTFPNLYTLATGLYPESHGIVGNSMYDPVFDATFHLRGREKF
NHRWWGGQPLWITATKQGVKAGTFFWSVVIPHERRILTILQWLTPDHER
PSVYAFYSEQPDFSGHKYGPFGPEESSYGSPFPAKRPKRKVAPKRRQER
PVAPPKRRRRIHRMDHYAAETRQDKMTNPLREIDKIVGQLMDGLKQLKL
HRCVNVIFVGDHGMEDVTCDRTEFLSNYLTVDDITLVPGLGRIRSKFS
NNAKYDPKAIANLTCKKPDQHFKPYLKQHLPKRLHYANNRRIEDIHLLV
ERRWHVARKPLDVYKKPSGKCFQGDHGFNDKVNMQTVFVGYGSTFKYK
TKVPPFENIELYNVMCDLLGLKPAPNNGTHGSLNHLRTNTFRPTMPEEV
TRPNYPGIMYLQSDFDLGCTCDDKVEPKNKLDLNLKRLHTKLGSTEERHLL
YGRPAVLYRTRYDILYHTDFESGYSEIFLMPLWTSYTVSKQAEVSSVPDH
LTSCVRPDVRVSPSFSQNCLAYKNDKQMSYGFLFPPYLSSSPEAKYDAFL
VTNMVPMYPAFKRWNVYFQRVLVKKYASERNGVNVISGPIFDYDYDGLHD
TEDKIKQYVEGSSIPVPTHYYSIITSCLDFTQPADKCDGPLSVSSFILPH
RPDNEESCNSSEDESKWVEELMKMHTARVRDIEHLTSLDFFRKTSRSYPE
ILTLKTYLHTYESEIGGHHHHHHHHH

Accession Number

NM_006209

Source

HEK293

Molecular Mass

~110kDa

Purity

≥90%, as determined by SDS-PAGE

Biological Activity

ENPP2 protein stimulates the motility of tumor cells with angiogenic properties. It functions as a phosphodiesterase to cleave phosphodiester bonds and a phospholipase to catalyze production of lysophosphatidic acid (LPA). Recombinant human ENPP2 protein is ideal for the studies of its enzyme activity and other related function assays

Formulation

20mM Tris-Cl (pH7.9), 20% Glycerol, 100mM NaCl, 1mM DTT and 0.5mM EDTA

Storage

The protein sample can be stored under sterile conditions at 2- 8 oC for one month or at -70oC for three months without detectable loss of activity.

Avoid repeated freeze-thaw cycles**Special Notes****FOR RESEARCH ONLY**