

Human ENPP-2/Autotaxin Protein, Ultra Low Endotoxin

Cat. No. ENP-HM101-UL

Description

Source	Recombinant Human ENPP-2/Autotaxin Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Asp49-Ile863.
Accession	NP_001035181
Molecular Weight	The protein has a predicted MW of 94.8 kDa. Due to glycosylation, the protein migrates to 95-115 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

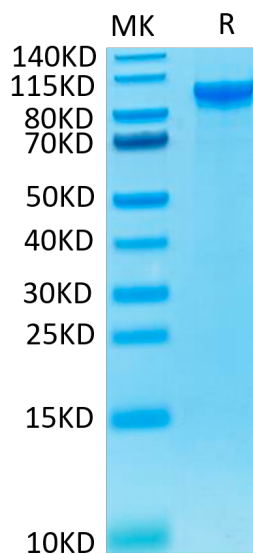
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Ectonucleotide pyrophosphatase/phosphodiesterase 2 (ENPP2) also known as Autotaxin, is a secreted lysophospholipase D, which hydrolyzes lysophosphatidylcholine (LPC) into Lysophosphatidic acid (LPA). ENPP2 is an essential protein for normal development and its altered expression is associated with various human diseases.

Assay Data

Bis-Tris PAGE



Human ENPP-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Bioactivity Data

Measured by its ability to cleave Bis (p-Nitrophenyl) Phosphate (BNPP).
The specific activity is > 10000 pmol/min/µg.