

Human ENPP-1 Protein, Ultra Low Endotoxin



Cat. No. ENP-HM103-UL

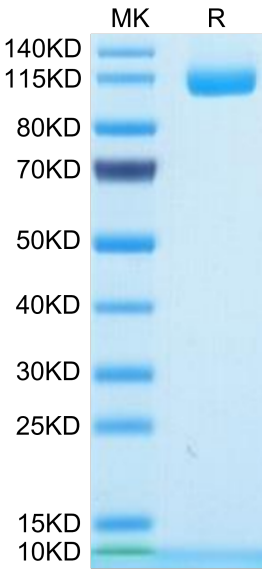
Description	
Source	Recombinant Human ENPP-1 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Lys98-Asp925.
Accession	P22413
Molecular Weight	The protein has a predicted MW of 96.5 kDa. Due to glycosylation, the protein migrates to 110-115 kDa based on Bis-Tris PAGE result.
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 (ENPP)-1 is a membrane-bound protein that catalyzes the hydrolysis of extracellular nucleoside triphosphates to monophosphate and extracellular inorganic pyrophosphate (ePPi). Mechanical stimulation regulates ENPP-1 expression.	

Assay Data

Bis-Tris PAGE



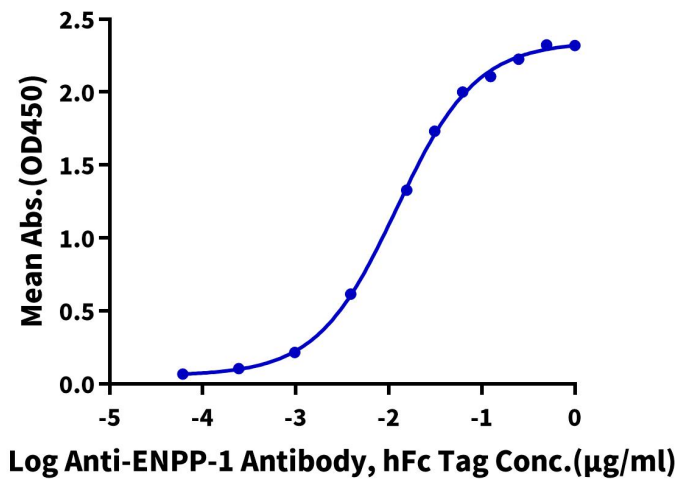
Human ENPP-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Human ENPP-1, His Tag ELISA

0.1µg Human ENPP-1, His Tag Per Well



Immobilized Human ENPP-1, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-ENPP-1 Antibody, hFc Tag with the EC50 of 12.1ng/ml determined by ELISA.

Bioactivity Data

Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is > 35000 pmol/min/µg.