Human ENPP-1 Protein

Cat. No. ENP-HM103

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 1EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

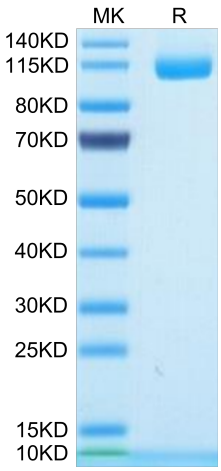
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

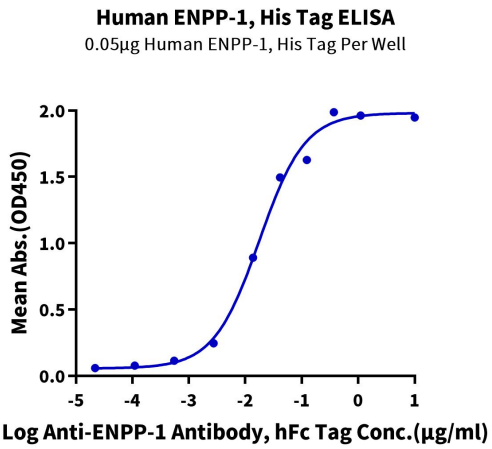
Assay Data

Bis-Tris PAGE



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

ELISA Data



Immobilized Human ENPP-1, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-ENPP-1 Antibody, hFc Tag with the EC50 of 17.7ng/ml determined by ELISA.

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Bioactivity Data

Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is > 40000 pmol/min/μg.