

Biotinylated Human ENPP-1 Protein

Cat. No. ENP-HM402B

Description

Source	Recombinant Biotinylated Human ENPP-1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Lys98-Asp925.
Accession	P22413
Molecular Weight	The protein has a predicted MW of 98.29 kDa. Due to glycosylation, the protein migrates to 110-120 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

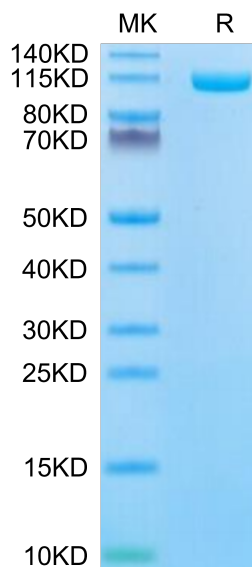
Formulation	Supplied as 0.22 μm filtered solution in 20mM Tris, 150mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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

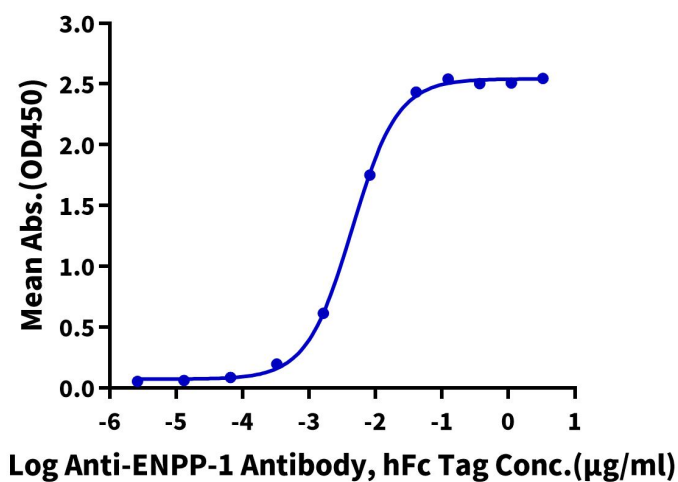
Bis-Tris PAGE



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

ELISA Data

Assay Data

Biotinylated Human ENPP-1, His Tag ELISA0.05 μ g Biotinylated Human ENPP-1, His Tag Per Well

Immobilized Biotinylated Human ENPP-1, His Tag at 0.5 μ g/ml (100 μ l/well) on the streptavidin precoated plate (5 μ g/ml). Dose response curve for Anti-ENPP-1 Antibody, hFc Tag with the EC50 of 4.5ng/ml determined by ELISA.