Human ENPP-3 Protein

Cat. No. ENP-HM213

Description

Source	Recombinant Human ENPP-3 Protein is expressed from HEK293 with hFc (IgG1) tag at the N-terminus.
	It contains Leu48-Ile875.
Accession	O14638
Molecular Weight	The protein has a predicted MW of 120.58 kDa. Due to glycosylation, the protein migrates to 130-150 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

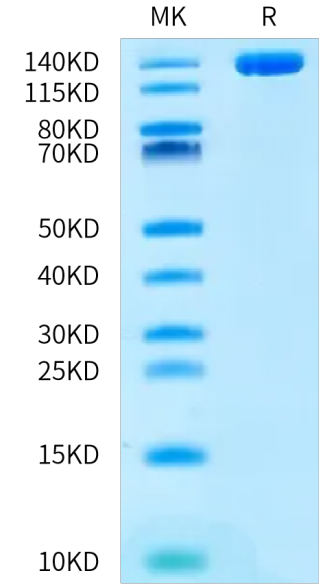
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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 3 (ENPP3), a protein detected in the human uterus, has been found to play an important role in the development and invasion of tumours. It was recently discovered that ENPP3 was upregulated during the window of implantation in the human endometrium but its functional relevance remains elusive.

Assay Data

Bis-Tris PAGE



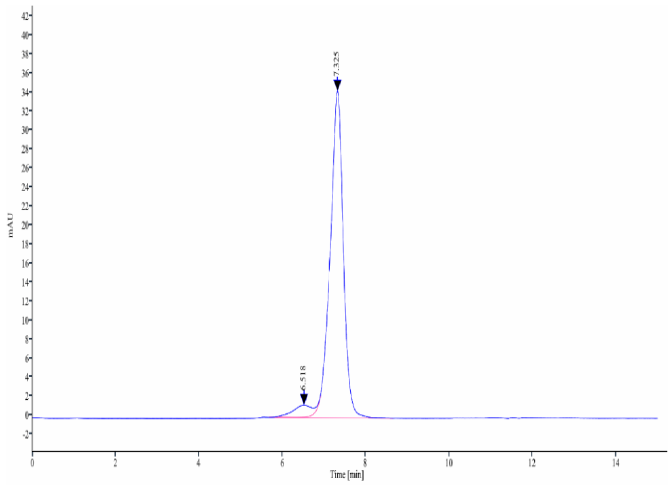
Human ENPP-3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human ENPP-3 Protein

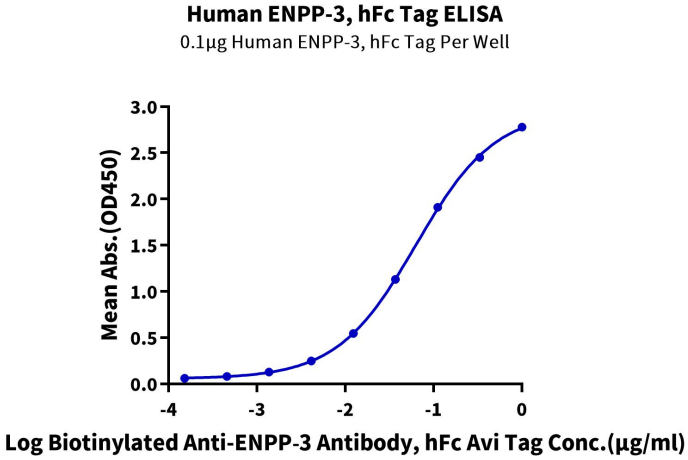
Cat. No. ENP-HM213

Assay Data



The purity of Human ENPP-3 is greater than 90% as determined by SEC-HPLC.

ELISA Data



Immobilized Human ENPP-3, hFc Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Anti-ENPP3 Antibody, hFc Avi Tag with the EC50 of 63.1ng/ml determined by ELISA.

Bioactivity Data

Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is > 6000 pmol/min/μg.