

Biotinylated Human ENPP-3 Protein

Cat. No. ENP-HM403B



Description

Source	Recombinant Biotinylated Human ENPP-3 Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus. It contains Leu48-Ile875.
Accession	O14638
Molecular Weight	The protein has a predicted MW of 99.97 kDa. Due to glycosylation, the protein migrates to 110-130 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

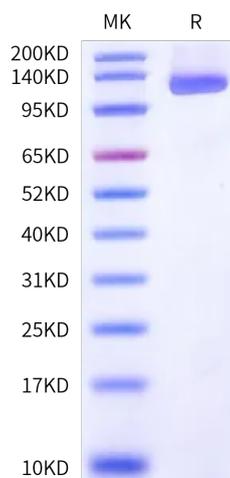
Formulation	Supplied as 0.22µm filtered solution in 50mM Tris, 150mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Ectonucleotide pyrophosphatase-phosphodiesterase 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.

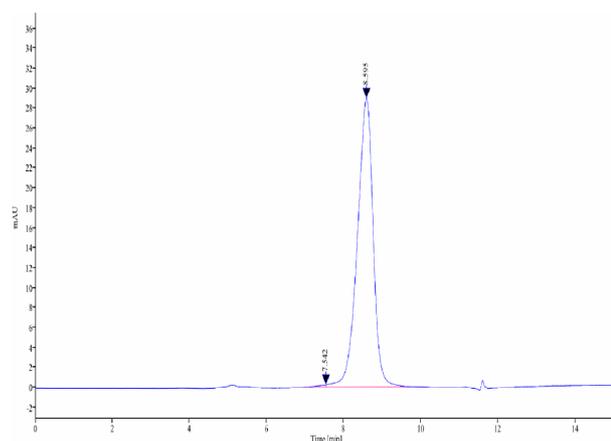
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

Biotinylated Human ENPP-3 Protein

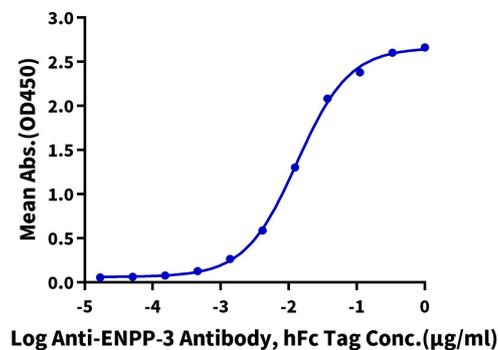
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Assay Data

ELISA Data

Biotinylated Human ENPP-3, His Avi Tag ELISA

0.05 μ g Biotinylated Human ENPP-3, His Avi Tag Per Well



Immobilized Biotinylated Human ENPP-3, His Avi 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-3 Antibody, hFc Tag with the EC50 of 13.3ng/ml determined by ELISA.

Bioactivity Data

Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is > 8000 pmol/min/ μ g.