

# Biotinylated Human ENPP-3 (558-875) Protein

Cat. No. ENP-HM406B

## Description

<b>Source</b>	Recombinant Biotinylated Human ENPP-3 (558-875) Protein is expressed from HEK293 with His tag and Avi tag at the N-terminus. It contains Lys558-Ile875.
<b>Accession</b>	O14638
<b>Molecular Weight</b>	The protein has a predicted MW of 39.14 kDa. Due to glycosylation, the protein migrates to 52-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-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.

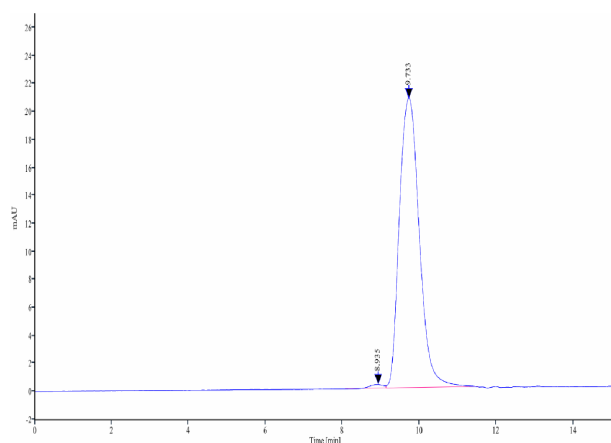
## Assay Data

### Bis-Tris PAGE



Biotinylated Human ENPP-3 (558-875) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Biotinylated Human ENPP-3 (558-875) is greater than 95% as determined by SEC-HPLC.

# Biotinylated Human ENPP-3 (558-875) Protein

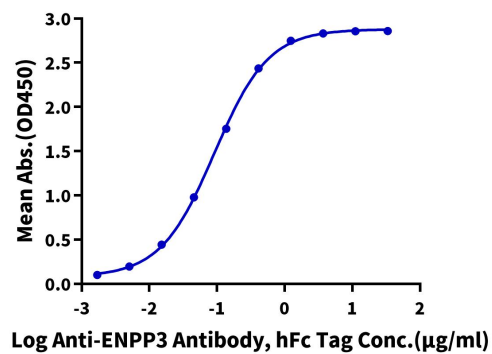
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## Assay Data

### ELISA Data

#### Biotinylated Human ENPP-3 (558-875), His Avi Tag ELISA

0.05 $\mu$ g Biotinylated Human ENPP-3 (558-875), His Avi Tag Per Well



Immobilized Biotinylated Human ENPP-3 (558-875), His Avi Tag at 0.5 $\mu$ g/ml (100 $\mu$ l/well) on the streptavidin precoated plate (5 $\mu$ g/ml). Dose response curve for Anti-ENPP3 Antibody, hFc Tag with the EC50 of 91.7ng/ml determined by ELISA.