

# Human ENPP-3 (48-157) Protein

Cat. No. ENP-HM404

## Description

<b>Source</b>	Recombinant Human ENPP-3(48-157) Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus. It contains Leu48-Asp157.
<b>Accession</b>	O14638
<b>Molecular Weight</b>	The protein has a predicted MW of 17.21 kDa. Due to glycosylation, the protein migrates to 18-20 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per ug by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

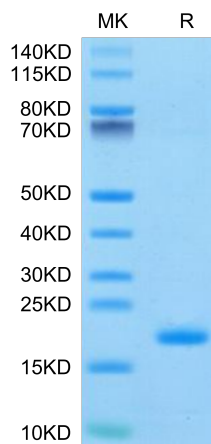
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<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.

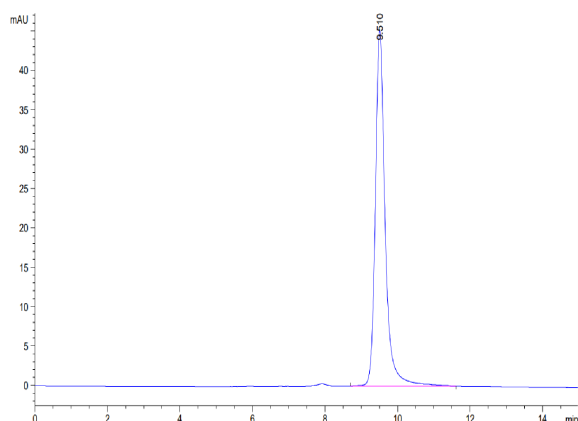
## Assay Data

### Bis-Tris PAGE



Human ENPP-3 (48-157) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human ENPP-3 (48-157) is greater than 95% as determined by SEC-HPLC.