# Human ENPP-3 Protein

**Cat. No.** ENP-HM213

## Description

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|---|---|
| **Source** | Recombinant Human ENPP-3 Protein is expressed from HEK293 with hFc 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

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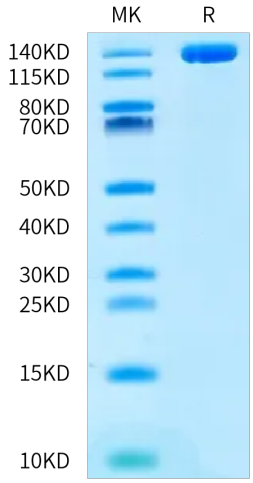
|---|---|
| **Formulation** | Supplied as 0.22 μm filtered solution in PBS (pH 7.4). |
| **Storage** | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Ectonucleotide pyrophosphatase-phosphodiesterase 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.

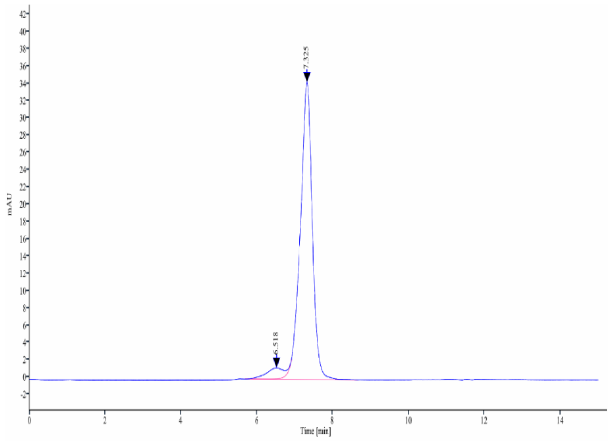
## Assay Data

### Bis-Tris PAGE




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

### SEC-HPLC



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

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### Bioactivity Data

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