## Human ENPP-3 Protein, Ultra Low Endotoxin

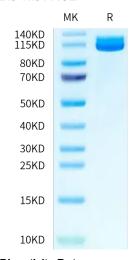




Description	
Source	Recombinant Human ENPP-3 Protein is expressed from HEK293 with His tag at the N-terminus.
	It contains Leu48-Ile875.
Accession	O14638
Molecular Weight	The protein has a predicted MW of 96.15 kDa. Due to glycosylation, the protein migrates to 100-130 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
Formulation and Storage	
Formulation	Lyophilized from 0.22 $\mu$ m filtered solution in 50mM Tris, 150mM NaCl (pH 8.0). 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 receipt80°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%.

## **Bioactivity Data**

Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is  $> 8000 \text{ pmol/min/}\mu\text{g}$ .