

## ENPP3 Protein, Human, Recombinant (His)

### General Information

Synonyms:	RP5-988G15.3;ectonucleotide pyrophosphatase/phosphodiesterase 3;B10;NPP3;PD-Iβ; CD203c;PD-IBETA;PDNP3
Protein Construction:	Leu48-Ile875
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O14638
Molecular Weight:	96.15 kDa (predicted); 100-130 kDa (reducing conditions)

### QC Testing

Biological Activity:	Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is > 8000 pmol/min/μg. (QC Test) Immobilized Human ENPP-3, His Tag at 1 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-ENPP-3 Antibody, hFc Tag with the EC50 of 27.2 ng/ml determined by ELISA. (QC Test)
Purity:	> 95% as determined by Bis-Tris PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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