

Recombinant Human Pleiotrophin

#R00174

Size: 5 µg/100 µg/500 µg

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
 - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

GKKEKPEKKVKKSDCGEWQWSVCVPTSGDCGLGT
REGTRTGAECKQTMKTQRCKIPCNWKKQFGAECKY
QFQAWGECDLNTALKTRTGSLKRALHNAECQKTVTI
SKPCGKLTKPKPQAESKKKKKEGKKQEKMLD

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Accession	P21246
GeneID	5764
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 15.3 kDa, a single non-glycosylated polypeptide chain containing 136 amino acids.
Purity	≥95% by SDS-PAGE analysis.
Biological Activity	Fully biologically active when compared to standard. The biological activity was measured by its ability to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons, when neurons were plated on 96 well culture plates that had been pre-coated with 100 µl/well of a

Physical Appearance	solution of 5-10 µg/ml rHuPTN. Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered solution in 1 × PBS, pH7.0, 0.02% Tween-20.
Endotoxin	Less than 0.1 EU/µg of rHuPTN as determined by LAL method.