HUMANZYME
HUMAN PROTEINS FROM HUMAN CELLS

PRODUCT DATA SHEET

Recombinant Human Pleiotrophin (PTN)

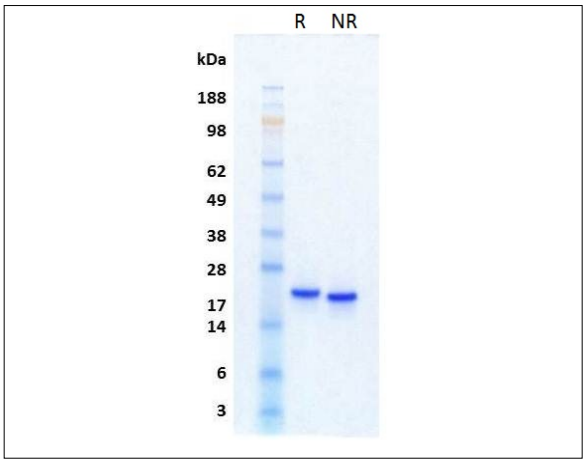
Product Description

- Endotoxin-free*
- Animal-derived product free
- Available in Bulk
- Expressed as monomer

All HumaXpress® HumanKine™ cytokines are animal-component-free and Xeno-free™

PTN is a member of a family of heparin-binding proteins that share sequence, structural, and functional similarity. Other members of this family include midkine (MK), and chicken retinoic acid-induced heparin-binding protein (RI-HB), an avian homologue of MK. The expression of all these cytokines is restricted and highly regulated during development.

Xeno-free HumanKine® Pleiotrophin is expressed in Human 293 cells as a secreted unglycosylated monomer.



Typical Specifications

Species	Human
Expression	HEK293 Cell Expressed
Activity	N/A
Purity	>95%
Endotoxin	<1 EU/μg
Molecular Mass	18 kDa, monomer, reducing conditions, non-glycosylated
Formulation	1x PBS

Purity Confirmation

The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

Activity Assay

HumanZyme provides no lot specific activity data.

Activity is typically measured by enhancement of neurite outgrowth of E16-E18 rat embryonic cerebral cortical neurons (Muramatsu, H. and T. Muramatsu, 1991, Biochem. Biophys. Res. Commu. 177:652).

Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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