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## Datasheet for ABIN935709 Pleiotrophin Protein (PTN)

### Overview

Quantity:	20 µg
Target:	Pleiotrophin (PTN)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Sequence:	GKKEKPEKKV KKSDCGEWQW SVCVPTSGDC GLGTREGTRT GAECKQTMKT QRCKIPC�WK KQFGAECKYQ FQAWGECNLN TALKTRTGSL KRALHNAECQ KTVTISKPCG KLTKPKPQAE SKKKKKEGKK QEKMLD
Characteristics:	Purified recombinant Human Pleiotrophin protein Expression System: E.coli
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

### Target Details

Target:	Pleiotrophin (PTN)
Alternative Name:	Pleiotrophin ( <a href="#">PTN Products</a> )
Background:	Pleiotrophin and Midkine are structurally related heparin-binding neurotrophic factors, whose expression is developmentally regulated. The expression pattern of these neurotrophic factors suggests function in neurogenesis, cell migration, secondary organogenetic induction, and

## Target Details

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mesoderm epithelial interaction. The expression of PTN increases during the process of brain embryogenesis and reaches maximum levels at time of birth. The physiological roles of PTN and Midkine are largely unknown, but these neurotrophins have been implicated in the pathogenesis of neuroblastomas.

Alternative Names: HBGF-8 protein, PTN protein, OSF-1 protein, HARP protein, Osteoblast-Specific Factor-1 protein, Heparin-binding growth factor-8protein, Heparin Affin Regulatory Protein protein

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Molecular Weight: 15.4 kDa

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Pathways: [RTK Signaling](#)

## Application Details

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Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Reconstitute in water to a concentration of 0.1-1.0 mg/mL.

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Buffer: Lyophilized from 5 mM Na<sub>3</sub>PO<sub>4</sub>, pH 7.4.

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Handling Advice: Avoid repeated freeze/thaw cycles.

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Storage: 4 °C/-20 °C

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Storage Comment: Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.