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Datasheet for ABIN2830304 **Pleiotrophin Protein (PTN)**

Overview

Quantity:	100 µg
Target:	Pleiotrophin (PTN)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func)

Product Details

Sequence:	GKKEKPEKKV KKSDCGEWQW SVCVPTSGDC GLGTREGTRT GAECKQTMKT QRCKIPCNWK KQFGAECKYQ FQAWGECDLN TALKTRTGSL KRALHNAECQ KTVTISKPCG KLTKPKPQAE SKKKKKEGKK QEKMLD
Characteristics:	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 wi
Purity:	>96 % as determined by SDS-PAGE and HPLC.
Sterility:	0.2 µm filtered

Target Details

Target:	Pleiotrophin (PTN)
Alternative Name:	PTN (PTN Products)

Target Details

Background: Relevance: Secreted growth factor that induces neurite outgrowth and which is mitogenic for fibroblasts, epithelial, and endothelial cells. Binds anaplastic lymphoma kinase (ALK) which induces MAPK pathway activation, an important step in the anti-apoptotic signaling of PTN and regulation of cell proliferation. {ECO:0000269|PubMed:11278720, ECO:0000269|PubMed:1768439}.
Synonyms: PTN, HBBM, Heparin-binding growth factor 8, HBGF-8, Heparin-binding growth-associated molecule

Molecular Weight: 15.3 kDa

UniProt: [P21246](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C