

Datasheet for ABIN935691 NPX1 Protein



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Overview

Quantity:	20 µg
Target:	NPX1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	ACYCRIPACI AGERRYGYCI YQGRLWAFCC
Characteristics:	Purified recombinant Human NP1 protein Expression System: E.coli Bioactivity: Determined by its ability to chemoattract immature dendritic cells using a concentration of 1.0-10.0 ng/mL.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	NPX1
Alternative Name:	NP1 (NPX1 Products)
Background:	Defensins (alpha and beta) are cationic peptides with a broad spectrum of antimicrobial activity that comprise an important arm of the innate immune system. The α-defensins which include

Target Details

NP-1, NP-2 and NP-3, are distinguished from the beta-defensins by the pairing of their three disulfide bonds. In addition to antimicrobial activity, NP-1 exhibits chemotactic activity on dendritic cells. NP-1 is expressed as the C-terminal portion of an inactive precursor protein, which also contains a 19 amino acid N-terminal signal sequence and a 45 amino acid polypeptide. NP-1 contains a six-cysteine motif that forms three intra-molecular disulfide bonds.

Alternative Names: NP 1 protein, NP 1, Cryptdin protein, alpha Defensin-1 protein, Neutrophil Peptide-1 protein, HNP-1 protein, NP1, NP-1, NP-1 protein, NP-1 protein

Molecular Weight: 3.4 kDa

Pathways: [Carbohydrate Homeostasis](#), [Regulation of Cell Size](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Smooth Muscle Cell Migration](#), [Platelet-derived growth Factor Receptor Signaling](#), [VEGFR1 Specific Signals](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Supplied as a lyophilized powder.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

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