

## 32-20317: Recombinant Human NP-1(Discontinued)

**Reactivity :** Human

**Alternative Name :** Neutrophil Peptide-1, alpha Defensin-1, HNP-1, Cryptdin

### Description

**Source:**E.coli

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 Alpha-defensins, which include 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. Recombinant Human NP-1 is a 3.4 kDa protein containing 30 amino acid residues.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** ACYCRIPACI AGERRYGTCTI YQGRLWAFCC

### Application Note

Determined by its ability to chemoattract immature dendritic cells using a concentration of 1.0-10.0 ng/ml.