

NP-1 active protein

Human NP-1

CATALOG # AAA79176	HOST E Coli	REACTIVITY Human
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PRODUCT SYNONYMS

NP-1; Human NP-1; Recombinant Human NP-1; NP-1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	>98 % by SDS-PAGE, HPLC analysis
Form/Format	Lyophilized
Sequence	ACYCRIPACI AGERRYGYCI YQGRLWAFCC
Sequence Length	432
Endotoxin Level	< 0.1 ng/ug of protein (1EU/ug).
Biological Activity	Determined by its ability to chemoattract immature dendritic cells using a concentration of 1.0-10.0 ng/ml.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

ADDITIONAL INFORMATION

Related Product Information for NP-1 active protein	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 Categories/Family for NP-1 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770878
NCBI GeneID	4884
NCBI Accession #	NP_002513.2
NCBI GenBank Nucleotide #	NM_002522.3
UniProt Accession #	Q15818 ; Q5FWE6 ; B3KXH3

Molecular Weight	3.4 kDa
NCBI Official Full Name	neuronal pentraxin-1
NCBI Official Synonym Full Names	neuronal pentraxin I
NCBI Official Symbol	NPTX1
NCBI Official Synonym Symbols	NP1
NCBI Protein Information	neuronal pentraxin-1; NP-I
UniProt Protein Name	Neuronal pentraxin-1
UniProt Gene Name	NPTX1
UniProt Synonym Gene Names	NP1; NP-I
UniProt Entry Name	NPTX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/np-1/79176>