

Recombinant Human natriuretic peptide C, His-tagged

Cat. No. NPPC-251H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NPPC, 24-126aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	24-126 a.a.
Description	NPPC is proteolytically processed to form a secreted hormone of the natriuretic peptide family. The hormone regulates the growth and differentiation of cartilaginous growth plate chondrocytes and may also be vasoactive and natriuretic. Recombinant human NPPC protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol,
Molecular Mass	13.2kDa (126aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSKPGAPPK VPRTPPAEEL AEPQAAGGGQ KKGDKAPGGG GANLKGDRSR LLRDLRVDTK SRAAWARLLQ EHPNARKYKG ANKKGLSKGC FGLKLDRIGS MSGLGC
Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store

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at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by BCA assay)

GENE INFORMATION

Gene Name NPPC natriuretic peptide C [Homo sapiens]

Official Symbol NPPC

Synonyms NPPC; natriuretic peptide C; natriuretic peptide precursor C; C-type natriuretic peptide; CNP; CNP2;

Gene ID 4880

mRNA Refseq NM_024409

Protein Refseq NP_077720

MIM 600296

UniProt ID P23582

Chromosome Location 2q24-qter

Function hormone activity; peptide hormone receptor binding; protein homodimerization activity; receptor binding;

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