



Natriuretic Peptide C, human recombinant (rhuNPPC)

Catalog No: 99923
Lot No: XXXXX
Source: *E. coli*
Synonyms: Natriuretic Peptide Precursor C, C-Type Natriuretic Peptide, CNP2, CNP

Background

NPPC is proteolytically managed to create a secreted hormone of the natriuretic peptide family. NPPC is vasoactive and natriuretic and controls the evolution and differentiation of cartilaginous growth plate chondrocytes.

Description

NPPC Human Recombinant, produced in *E. coli*, is a single, non-glycosylated polypeptide chain containing 126 amino acids (24-126). It has a molecular mass of 13.2 kDa. NPPC is fused to a 23 amino acid His-tag at N-terminus and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered, clear solution.

Formulation

The NPPC solution (0.25 mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 0.15 M NaCl and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85% as determined by SDS-PAGE.

Usage

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