
Product Data Sheet

Product Name: NPPC Human
 Cat. No.: GP20791
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Natriuretic Peptide Precursor C; C-Type Natriuretic Peptide; CNP2; CNP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSKPGAPPK VPRTPPAEEL AEPQAAGGGQ KKGDKAPGGG GANLKGDRSR LLRDLRVDTK SRAAWARLLQ EHPNARKYKG ANKKGLSKGC FGLKLDRIGS MSGLGC		
Formulation	The NPPC solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.		

Introduction

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.

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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