

Product: Brain Natriuretic Peptide, Human Recombinant
Catalog #: 11-BNP
Amount: 5 µg

DESCRIPTION: Recombinant Human BNP produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 32 amino acids and having a molecular mass of 3464 kDa.
rHuBNP is purified by proprietary chromatographic techniques.
The sequence of the amino acids was determined and was found to be:
SPKMQVQSGCFGRKMDRISSSSGLGCKVLRH

SOURCE: *E.Coli* Expression System

PURITY: Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHu Beta-NGF.

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified, in 20mM Phosphate buffer and 0.6mM Sodium Chloride.

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. Analysis by RP-HPLC, using a calibrated solution BNP, as a Reference Standard.

CONCENTRATION: 0.5 mg/ml

BIOLOGICAL ACTIVITY: rHuBNP is fully biologically active when compared to standards.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles

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