

BNP, 27-134aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP01357

3th Edition

Synonyms:Brain natriuretic peptide (type B natriuretic peptide), NPPB, GC-B.

Description:BNP (Brain natriuretic peptide) is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. BNP is a 32 amino acid polypeptide and is co-secreted along with a 76 amino acid N-terminal fragment which is biologically inactive. This protein has biological actions including natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion.

Form:Liquid in phosphate-Buffered Saline (pH 7.4), 20%glycerol

Molecular Weight:14 kDa (129 aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMHPLGSPGSASDLETSGLQEQRNHLQGKLSELQVEQTSLEPLQESPRPTGVWK
SREVATEGIRGHRKMLVLYTLRAPRSPKMOVQSGCGFRKMDRISSSSSGLGCKVLRH

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.