

## 32-8696: Recombinant Human Brain Natriuretic Peptide/BNP (N-6His-Flag)

**Gene :** NPPB  
**Gene ID :** 4879  
**Uniprot ID :** P16860

### Description

Source: E.coli.  
MW :11kD.

Recombinant Human Brain-type Natriuretic Peptide is produced by our E.coli expression system and the target gene encoding His27-Arg102 is expressed with a 6His, Flag tag at the N-terminus. Brain-type Natriuretic Peptide (BNP) is a nonglycosylated peptide that is produced predominantly by ventricular myocytes and belongs to the natriuretic peptide family. Proteolytic cleavage of the 12 kDa BNP precursor gives rise to N-terminal Pro BNP (NT-proBNP) and mature BNP. N-terminal proB-type natriuretic peptide (NT-proBNP), a useful marker of heart failure (HF), is considered to be secreted mainly from the ventricle, increased serum NT-proBNP levels are also encountered in conditions such as atrial fibrillation (AF) and atrial septal defect in patients without HF.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MNHKVHHHHHHMDYKDDDDKHPLGSPGSASDLETSGLQEQRNHLQGKLSLQVEQTSLEPLQESPRPTGVWKSREVATEGIRGHRKMVLYTLRAPR

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.