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Datasheet for ABIN7318207

BNP Protein (His tag,DYKDDDDK Tag)

Overview

Quantity:	50 µg
Target:	BNP
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BNP protein is labelled with His tag,DYKDDDDK Tag.

Product Details

Purpose:	Recombinant Human Brain Natriuretic Peptide/BNP Protein (His & Flag Tag)
Sequence:	His27-Arg102
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	BNP
Alternative Name:	Brain Natriuretic Peptide/BNP (BNP Products)
Background:	Background: Brain-type Natriuretic Peptide (BNP) is a nonglycosylated peptide that is produced predominantly by ventricular myocytes and belongs to the natriuretic peptide family. Proteolytic

Target Details

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.

Synonym: Natriuretic peptides B, Gamma-brain natriuretic peptide, NPPB, BNP

Molecular Weight: 11.0 kDa

UniProt: [P16860](#)

Pathways: [Hormone Activity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.