

Recombinant Human Brain Natriuretic Peptide/BNP Protein (His &Flag Tag)

Catalog Number: PKSH032127

Note: Centrifuge before opening to ensure complete recovery of vial contents.

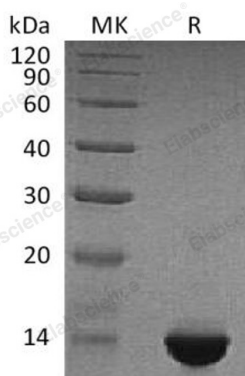
Description

Species	Human
Source	E.coli-derived Human Brain Natriuretic Peptide;BNP protein His27-Arg102, with an N-terminal His & Flag
Calculated MW	11.0 kDa
Observed MW	14 kDa
Accession	P16860
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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 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.

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