

Recombinant Human Brain Natriuretic Peptide (Human BNP)

Product Information

Product Name	Cat#	Size
Recombinant Human Brain Natriuretic Peptide (Human BNP)	92521ES60	100 µg
	92521ES76	500 µg

Product Description

Brain natriuretic peptide(human) is an endogenous peptide secreted from cardiac ventricles in response to volume increase and pressure overload that acts as an agonist at atrial natriuretic peptide (ANP) receptor A (NRP1). Decreases de novo collagen synthesis and increases MMP gene expression in vitro. Exhibits natriuretic, vasodilatory and lusitropic activity and inhibits the sympathetic and renin-angiotensin-aldosterone systems in vivo.

Product Properties

Synonyms	Brain natriuretic peptide 32, Gamma-brain natriuretic peptide, B-type Natriuretic Peptide, GC-B, BNP-32
Accession	P16860
GeneID	4879
Source	E.coli-derived Human BNP, Ser103-His134.
Molecular Weight	Approximately 3.5 kDa.
AA Sequence	SPKMQVQSGGC FGRKMDRISS SSGLGCKVLR RH
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE and HPLC analyses.
Biological Activity	Data Not Available.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!