

Recombinant Human NT-pro-BNP (Human NT-pro-BNP)

Product Information

Product Name	Cat#	Size
Recombinant Human NT-pro-BNP (Human NT-pro-BNP)	92115ES60	100 µg
	92115ES76	500 µg

Product Description

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. Plasma NT-proBNP is a marker for congestive heart failure, while mature BNP (aa 103-134) promotes vasodilation and fluid and sodium excretion. Human BNP precursor shares 29% and 51% aa sequence identity with mouse and porcine BNP precursor, respectively.

Product Properties

Synonyms	Natriuretic peptides B, Gamma-brain natriuretic peptide
Accession	P16860
GeneID	4879
Source	E.coli-derived Human NT-pro-BNP, His27-Arg102.
Molecular Weight	Approximately 8.5 kDa.
AA Sequence	HPLGSPGSAS DLETSGLQEQ RNHLQGKLSL LQVEQTSLEP LQESPRPTGV WKSREVATEG IRGHRKVMVLY TLRAPR
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity	Data is not available.
Endotoxin	< 0.1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20mM Tris-HCl, pH 8.0, 150mM NaCl. 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!