



CATALOGUE #: 8NT2

PRODUCT NAME: Human recombinant NT-proBNP (amino terminal human brain natriuretic peptide precursor)

Source: Recombinant *E.coli*.

Application: Calibrator or standard in immunoassays, immunogen for antibody production.

Analysis: Purity > 95 % (Tricine-SDS-PAGE).
Concentration is determined spectrophotometrically.
Immunoreactivity is confirmed by reaction with monoclonal antibodies specific to different fragments of NT-proBNP molecule.
Predicted molecular mass 8589 Da confirmed by MALDI-MS.
Recombinant human NT-proBNP contains additional methionine residue at the N-terminus (in comparison with native NT-proBNP).

Purification: Immunoaffinity purification followed by ion-exchange chromatography.

Presentation: 10 mM potassium phosphate, pH 7.4, 150 mM NaCl.

Storage: – 70 °C

Other information: Avoid repeated freezing and thawing. It is recommended to aliquot the product after the first thawing.
To prepare diluted samples of NT-proBNP it is recommended to use buffer solutions containing carrier protein and detergent (e.g. 0.05 M Tris-HCl, pH 7.8, 0.15 M NaCl, 0.01 % Tween 40, 0.5 % bovine serum albumin).
Some applications in which this product may be used are covered by patents issued and applicable in certain countries. Because purchase of this product does not include a license to perform any patented application, users of this product may be required to obtain a patent license, depending on the particular application and country in which the product is used.