

CATALOGUE #: 8NT2

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

Source: Expressed in *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 (-65 ... -80 °C allowed)

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).

Material safety note: This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.