

PRODUCT SPECIFICATIONS

Name	Recombinant NT-proBNP antigen, 100 µg
Description	Recombinant human N-terminal pro-B-type natriuretic peptide (NT-proBNP) with an N-terminal histidine tag. Predicted molecular weight: 11 kDa.
Amino acid sequence	MGSSHHHHHSSGLVPRGSHMHPLGSPGSASDLETSGLQEQRNHLQKLSLQVEQTSLE PLQESPRPTGVVKSREVATEGIRGHRKMLVLYTLRAPR
Production host	<i>Escherichia coli</i> (<i>E. coli</i>)
Product code	610090
Product formulation	Lyophilized from 0.2 µm filtered solution
Product buffer	50 mM Tris-HCl, pH 7.5; 150 mM NaCl; containing 3 % sucrose, 2 % D-mannitol and 0.01 % Tween 20 as stabilizers.
Reconstitution	Reconstitute lyophilized protein with 200 µl of deionized water
Shelf life and storage	Shelf life unspecified, storage at 2–8 °C
Analyte description	Pro-B-type natriuretic peptide (ProBNP) is released from cardiac myocytes, and is cleaved into BNP and its N-terminal fragment, NT-proBNP. Plasma concentrations of both BNP and NT-proBNP are significantly increased in patients with asymptomatic and symptomatic left ventricular dysfunction. There is excellent clinical and statistical correlation between assays for BNP and NT-proBNP. Due to the longer half-life in the circulation, NT-proBNP levels in blood plasma are generally 6–10 times higher than BNP. The better stability and wider dynamic range for NT-proBNP may provide an advantage in clinical testing.
Product concentration	0.5 mg/ml when reconstituted with 200 µl of deionized water
Purity	SDS-PAGE 
Reactivity with MedixMABs	Anti-h NT-proBNP 1306: + Anti-h NT-proBNP 1307: + Anti-h NT-proBNP 1308: + Anti-h NT-proBNP 1309: + Anti-h NT-proBNP 1310: + Anti-h NT-proBNP 1311: + Anti-h NT-proBNP 1312: +

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