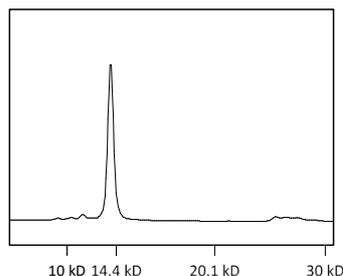


Recombinant NT-proBNP antigen, 100 µg

Catalog number	610090
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	MGSSHHHHHSSGLVPRGSHMHPGLGSPGSASDLETSGLQEQRNHLQGK LSELQVEQTSLEPLQESPRPTGVWKSREVATEGIRGHRKMVLYTLRAPR
Product host	<i>Escherichia coli</i> (<i>E. coli</i>)
Product formulation	Lyophilized
Product buffer solution	Lyophilized from 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 the lyophilized protein with deionized water
Shelf life and storage	Unspecified for lyophilized product, storage at 2-8°C. After reconstitution 1 month at 2-8°C and 1 month at -20 °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	N/A
Purity	Capillary electrophoresis (CE-SDS)



Antibodies tested	Anti-h NT-proBNP 1306/RC1306: + Anti-h NT-proBNP 1307/RC1307: + 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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