

CATALOGUE #: 8PRO9

PRODUCT NAME: Human recombinant proBNP (brain natriuretic peptide precursor)

Source:	Expressed in <i>E.coli</i>
Application:	Calibrator or standard in immunoassays, immunogen for antibody production.
Analysis:	<p>Purity > 95 % (Tricine-SDS-PAGE).</p> <p>Concentration is determined spectrophotometrically.</p> <p>Immunoreactivity is confirmed by reaction with monoclonal antibodies specific to different fragments of proBNP molecule.</p> <p>Predicted molecular mass 12036 Da confirmed by MALDI-MS.</p> <p>Recombinant human proBNP contains additional methionine residue at the N-terminus (in comparison with native proBNP).</p> <p>Human recombinant proBNP also contains one intramolecular disulfide bond between residues Cys₈₇ and Cys₁₀₃.</p>
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:	<p>Avoid repeated freezing and thawing. It is recommended to aliquot the product after the first thawing.</p> <p>To prepare diluted samples of 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).</p>
Material safety note:	This product is sold for research or further manufacturing use only . Standard Laboratory Practices should be followed when handling this material.