



# DataSheet

**CATALOGUE #:** 8PRO9

**PRODUCT NAME:** Human recombinant proBNP (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 proBNP molecule.

Predicted molecular mass 12036 Da confirmed by MALDI-MS.

Recombinant human proBNP contains additional methionine residue at the N-terminus (in comparison with native proBNP).

Human recombinant proBNP also contains one intramolecular disulfide bond between residues Cys<sub>87</sub> and Cys<sub>103</sub>.

**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 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.

**HyTest Ltd.**

Intelligate 1, 6th floor, Joukahaisenkatu 6

FI-20520 Turku FINLAND

www.hytest.fi | hytest@hytest.fi