



DataSheet

CATALOGUE #: 8GBP3

PRODUCT NAME: Recombinant human proBNP, glycosylated

Source: Expressed in a mammalian cell line

Description: Synthetic DNA fragment encoding His27-His134 part of full-length human proBNP (UniProtKB accession number P16860) was used for recombinant protein expression.

Protein is partially glycosylated. On the SDS-PAGE the protein has apparent molecular weight between 20 and 25 kDa.

Applications: Calibrator or standard in BNP or proBNP immunoassays

Analysis: Purity > 95% (Tricine-SDS-PAGE in reducing conditions).

ProBNP concentration is determined spectrophotometrically

Immunoreactivity is confirmed by reaction with monoclonal antibodies specific to different fragments of proBNP molecule.

Purification: Immunoaffinity purification followed by ion-exchange chromatography

Presentation: Lyophilized from PBS, pH 7.4

It is recommended to reconstitute this product with deionized water to its initial concentration.

Storage: Lyophilized -20°C (-15...-30 °C allowed)

Reconstituted -70 °C (-65 ... -80 °C allowed)

Other information: Avoid repeated freezing and thawing. It is recommended to aliquot the product after reconstitution.

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 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