



DataSheet

CATALOGUE #: 8CNT9

PRODUCT NAME: Canine recombinant NT-proBNP (amino terminal fragment of brain natriuretic peptide precursor)

Source: Expressed in *E. coli*

Application: Standard for the calibration of canine NT-proBNP immunoassays

Analysis: Recombinant NT-proBNP corresponds to the fragment 1-85 a.a.r. of canine proBNP and contains additional affinity tag sequence of 16 a.a.r. at the N-terminus.

Totally, recombinant NT-proBNP consists of 101 a.a.r.

Predicted molecular mass 10545 Da is confirmed by MALDI-MS.

Purity > 95 % (Tricine-SDS-PAGE).

Concentration is determined spectrophotometrically.

Immunoreactivity is confirmed by reaction with monoclonal antibodies specific to different fragments of canine NT-proBNP molecule (Cat.# 4CNT5).

Purification: Purified using tag affinity 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 NT-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.

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