

Recombinant Rat NT-proBNP protein (GST tag)

Catalog Number: PDER100029



Note: Centrifuge before opening to ensure complete recovery of vial contents.

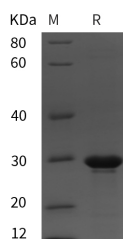
Description

Synonyms	Natriuretic peptides B;ANFB_RAT;Nppb;Brain natriuretic factor prohormone;preproBNP;proBNP;Gamma-brain natriuretic peptide;Iso-ANP;
Species	Rat
Expression Host	E.coli
Sequence	His27-Arg76
Accession	P13205
Calculated Molecular Weight	30.4 kDa
Observed molecular weight	30 kDa
Tag	N-GST

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Cardiac hormone that plays a key role in mediating cardio-renal homeostasis. May also function as a paracrine antifibrotic factor in the heart. Acts by specifically binding and stimulating NPR1 to produce cGMP, which in turn activates effector proteins that drive various biological responses. Likely involved in regulating the extracellular fluid volume and maintaining the fluid-electrolyte balance through natriuresis, diuresis, kaluresis and chloruresis

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