

## Recombinant Mouse NT-proBNP Protein(Trx Tag)

**Catalog Number: PDEM100111**

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

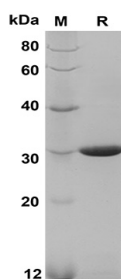
### Description

<b>Species</b>	Mouse
<b>Source</b>	E.coli-derived Mouse NT-proBNP protein Ser26-Arg76, with an N-terminal Trx
<b>Mol_Mass</b>	25.5 kDa
<b>Accession</b>	P40753
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 10 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis

### Data



SDS-PAGE analysis of Mouse NT-PROBNP proteins,  
2µg/lane of Recombinant Mouse NT-PROBNP proteins was  
resolved with SDS-PAGE under reducing conditions,  
showing bands at 30 kDa

### Background

Brain-type Natriuretic Peptide (BNP) is a nonglycosylated peptide that is produced predominantly by ventricular myocytes and belongs to the natriuretic peptide family. Proteolytic cleavage of the 12 kDa BNP precursor gives rise to N-terminal Pro BNP (NT-proBNP) and mature BNP. N-terminal proB-type natriuretic peptide (NT-proBNP), a useful marker of heart failure (HF), is considered to be secreted mainly from the ventricle, increased serum NT-proBNP levels are also encountered in conditions such as atrial fibrillation (AF) and atrial septal defect in patients without HF.

### For Research Use Only