



Recombinant Rabbit Natriuretic peptides A (NPPA)

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| Product Code | CSB-BP016020RB |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P07500 |
| Product Type | Recombinant Protein |
| Immunogen Species | Oryctolagus cuniculus (Rabbit) |
| Purity | >85% (SDS-PAGE) |
| Sequence | SLRRSSC FGGRIDRIGA QSGLG CNSFR Y |
| Source | Baculovirus |
| Target Names | NPPA |
| Protein Names | Recommended name: Natriuretic peptides A Alternative name(s): Prepronatriodilatin Cleaved into the following chain: 1. Atrial natriuretic factor Short name= 2. ANF Alternative name(s): Atrial natriuretic peptide Short name= A |
| Expression Region | 124-151 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Cytoplasmic domain |
| Target Details | This protein belongs to the natriuretic peptide family. Natriuretic peptides are implicated in the control of extracellular fluid volume and electrolyte homeostasis. This protein is synthesized as a large precursor (containing a signal peptide), which is processed to release a peptide from the N-terminus with similarity to vasoactive peptide, cardiodilatin, and another peptide from the C-terminus with natriuretic-diuretic activity. Mutations in this gene have been associated with atrial fibrillation familial type 6. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |