



# Recombinant Sheep Natriuretic peptides A (NPPA)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-YP016020SH  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O46540  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Ovis aries (Sheep)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | SLRRSSCF GGRMDRIGAQ SGLGCNSFRY  |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | NPPA  |
| <b>Protein Names</b>     | 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   |
| <b>Expression Region</b> | 123-150   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Cytoplasmic domain  |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | 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.   |
| <b>Shelf Life</b>        | 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.   |