



Recombinant Cat Natriuretic peptides B (NPPB)

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|--------------------------|---|
| Product Code | CSB-EP880897CA-B |
| Abbreviation | NPPB |
| Storage | 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. |
| Uniprot No. | Q9GLK4 |
| Product Type | Recombinant Protein |
| Immunogen Species | Felis catus (Cat) (Felis silvestris catus) |
| Purity | >85% (SDS-PAGE) |
| Sequence | HPLG GPGPASEASA IQELLDGLRD TVSELQEAQM ALGPLQQGHS PAESWEAQEE PPARVLAPHD NVLRALRRLG SSKMMRDSRC FGRRLDRIGS LSGLGCNVLR RH |
| Source | E.coli |
| Target Names | NPPB |
| Protein Names | Recommended name: Natriuretic peptides B Alternative name(s): Gamma-brain natriuretic peptide Cleaved into the following chain: 1. Brain natriuretic peptide 32 Short name= 2. BNP-32 |
| Expression Region | 27-132 |
| 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 | Full Length of Mature Protein |
| Target Details | This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. Mutations in this gene have been associated with postmenopausal osteoporosis. |
| 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. |



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