



# Recombinant Sheep Natriuretic peptides B (NPPB)

<b>Product Code</b>	CSB-EP016021SH
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O46541
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Ovis aries (Sheep)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	HPLG GPGSASELPG LQELLDRLRD RVSELQAEQL RVEPLQQGQG LEETWDSPAA APAGFLGPHH SLLQALRGPK MMRDSGCFGR RLDRIGSLSG LGCNVLRRY
<b>Source</b>	E.coli
<b>Target Names</b>	NPPB
<b>Protein Names</b>	Recommended name: Natriuretic peptides B Alternative name(s): Gamma-brain natriuretic peptide Cleaved into the following 2 chains: 1. Brain natriuretic peptide 29 Short name= 2. BNP-29 3. Brain natriuretic peptide 26 Short name=
<b>Expression Region</b>	27-129
<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>	Full Length of Mature Protein
<b>Target Details</b>	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.
<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.