

Recombinant Human NPPB Protein, His-tagged, OVA Conjugated

Cat. No. NPPB-2826H **Lot. No.** (See product label)

SPECIFICATION

Product Overview OVA Conjugated Recombinant Human NPPB Protein (Glu39-Lys53) fused with a N-His tag.

Species Human

Source Protein Conjugation

ProteinLength Glu39-Lys53

Description

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. The presence of myocardial injury is a significant predictor of mortality in hospitalized coronavirus disease 2019 (COVID-19) patients, and there is evidence of increased levels of natriuretic peptide B in hospitalized non-survivor COVID-19 patients. The protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Mutations in this gene have been associated with postmenopausal osteoporosis.

Form Freeze-dried powder

Molecular Mass Predicted Molecular Mass: 15 kDa

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Purity	> 90%
Applications	Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Conjugation	OVA

GENE INFORMATION

Gene Name	NPPB natriuretic peptide B [Homo sapiens (human)]
Official Symbol	NPPB
Synonyms	NPPB; natriuretic peptide B; BNP; Iso-ANP; natriuretic peptides B; brain natriuretic factor prohormone; brain type natriuretic peptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B; natriuretic protein; preproBNP; proBNP
Gene ID	4879

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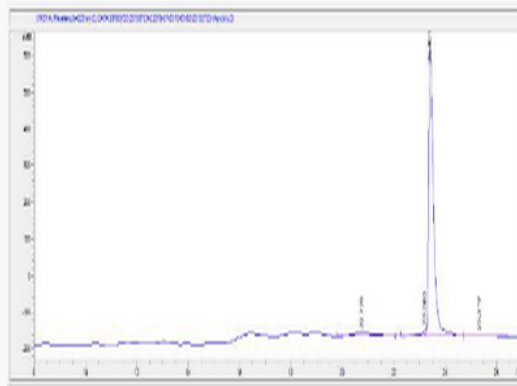
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mRNA Refseq [NM_002521](#)

Protein Refseq [NP_002512](#)

MIM [600295](#)

UniProt ID [P16860](#)



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