

Recombinant Rat Pnoc protein, His & T7-tagged

Cat. No. Pnoc-8010R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pnoc aa. (Ser12~Val181 (Accession # Q62923)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ser12~Val181
Description	Endogenous ligand of the opioid-like orphan receptor; reduces neuronal excitability and induces an increase in inward rectifying K ⁺ conductance in thalamic neurons.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.8.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

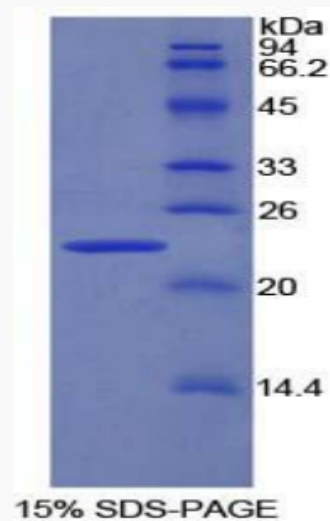
Gene Name	Pnoc prepronociceptin [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Pnoc
Synonyms	Pnoc; prepronociceptin; N23K; Npnc1; Prepronociceptin (neuropeptide nociceptin) (N23K); neuropeptide nociceptin 1; nociceptin; orphanin FQ
Gene ID	25516
mRNA Refseq	NM_013007.1
Protein Refseq	NP_037139.1
UniProt ID	Q62923

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SDS-PAGE



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