

# Recombinant human PNOC protein

Catalog Number: ATGP2069

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

20-176aa

### UniProt No.

Q13519

### NCBI Accession No.

NP\_006219

### Alternative Names

prepronociceptin, prepronociceptin, PPNOC

## PRODUCT SPECIFICATION

---

### Molecular Weight

20.6 kDa (180aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

Prepronociceptin, also known as PNOC, is the ligand of the opioid receptor-like receptor (OPRL1). It may act as a transmitter in the brain by modulating nociceptive and locomotor behavior. This protein may be involved in neuronal differentiation and development. Recombinant human PNOC protein, fused to His-tag at N-terminus, was expressed in E. coli.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSSCQRDCL TCQEKLHPAL DSFDLEVCIL ECEEKVFPSP LWTPCTKVMA RSSWQLSPAA

# Recombinant human PNOC protein

Catalog Number: ATGP2069

PEHVAAALYQ PRASEMQLR RMPRVRSFLQ EQEEPEPGME EAGEMEQQQL QKRFGGFTGA RKSARKLANQ KRFSEFMRQY  
LVLSMQSSQR RRTLHQNGNV

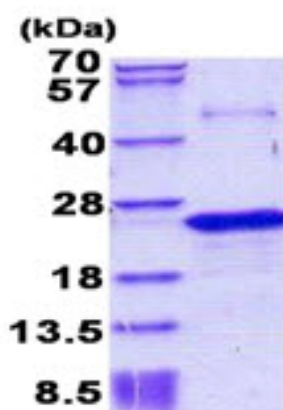
## General References

Fiset M.E., et al. (2003) *Biochemistry*. 42:10498-10505

Nothacker H.-P., et al. (1996) *Proc. Natl. Acad. Sci. u.S.A.* 93:8677-8682

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)