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Recombinant human PNOC protein

Catalog Number: ATGP2069

PRODUCT INFORMATION

Expression system

E.coli

Domain

20-176aa

UniProt No.

013519

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 SSGLVPRGSH MGSSCORDCL TCOEKLHPAL DSFDLEVCIL ECEEKVFPSP LWTPCTKVMA RSSWQLSPAA



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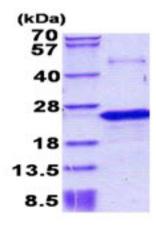
PEHVAAALYQ PRASEMQHLR RMPRVRSLFQ EQEEPEPGME EAGEMEQKQL QKRFGGFTGA RKSARKLANQ KRFSEFMRQY LVLSMQSSQR RRTLHQNGNV

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



15% SDS-PAGE (3ug)

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

