

# Product information



## PNOC, 20-176aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2069

**Full name:** prepronociceptin

**NCBI Accession No.:** NP\_006219

**Synonyms:** PPNOC

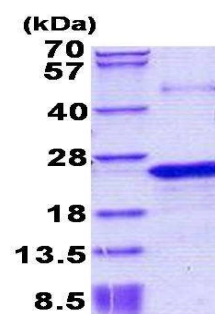
**Description:** Prepronociceptin, also known as PNOC, is the ligand of the opioid receptor-like receptor (OPRL1). It may act as a transmitter in the brain by modulating nociceptive and locomotor behavior. This protein may be involved in neuronal differentiation and development. Recombinant human PNOC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

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

**Molecular Weight:** 20.6 kDa (180aa)

**Purity:** > 90% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSSCQRDCL TCQEKLHPAL DSFDLEVCIL ECEEKVFPPSP LWTPCTKVMA RSSWQLSPAA PEHAAAALYQ  
PRASEMQHLR RMPRVRSLEFQ EQEEPEPGME EAGEMEQLQL QKRFGGFTGA RKSARKLANQ KRFSEFMRQY LVLMSQSSQR 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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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