

Recombinant Human prepronociceptin, His-tagged

Cat. No. PNOC-554H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PNOC, 20-176aa, Human His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	20-176 a.a.
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 Mass	20.6 kDa (180aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSCQRDCL TCQEKLHPAL DSFDLEVCIL ECEEKVFPSLWTPCTKVMA RSSWQLSPAA PEHVAAALYQ PRASEMQHLR RMPRVRSFLQ EQEEPEPGME EAGEMEQQQL QKRFGGFTGA RKSARKLANQ KRFSEFMRQY LVLSMQSSQR RRTLHQNGNV
Purity	>90% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PNOC prepronociceptin [Homo sapiens]
Official Symbol	PNOC
Synonyms	PNOC; prepronociceptin; nocistatin; PPNOG; nociceptin; propronociceptin;
Gene ID	5368
mRNA Refseq	NM_006228
Protein Refseq	NP_006219
MIM	601459
UniProt ID	Q13519
Chromosome Location	8p21
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;

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Function

neuropeptide hormone activity; opioid peptide activity;

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