

## 32-4472: Recombinant Human Prepronociceptin

**Alternative Name :** Prepronociceptin, Nocistatin, OFQ, Pre-Pro-N/OFQ, Pronociceptin, Orphanin FQ, Nociceptin, PpN/OFQ, N/OFQ, PPNOC.

### Description

Source : Escherichia Coli. PNOG Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 180 amino acids (20-176) and having a molecular mass of 20.6kDa. PNOG is fused to a 23 amino acid His-tag at N-terminus. Prepronociceptin (PNOG) is the ligand of the opioid receptor-like receptor (OPRL1). PNOG functions as a transmitter in the brain by modulating nociceptive and locomotor behavior. The PNOG protein may also be involved in neuronal differentiation and development.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** PNOG protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSSQRDCL TCQEKLHPAL DSFDLEVCIL ECEEKVFSP  
LWTPCTKVMA RSSWQLSPAA PEHVAAALYQ PRASEMQHLR RMPRVRSFLQ EQEPEPGME  
EAGEMEQLQL QKRFGGFTGA RKSARKLANQ KRFSEFMRQY LVLMSQSSQR RRTLHQNGNV.

