

## Product datasheet for **AR50893PU-N**

### Nociceptin (20-176, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Nociceptin (20-176, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSSCQRDCL TCQEKLHPAL DSFDLEVCIL ECEEKVFPSP LWTPCTKVMA RSSWQLSPAA PEHVAAALYQ PRASEMQLR RMPRVRSFLQ EQEEPEPGME EAGEMEQQQL QKRFGGFTGA RKSARKLANQ KRFSEFMRQY LVLSMQSSQR RRTLHQNGNV
Tag:	His-tag
Predicted MW:	20.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PNOC protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001271173</a>
Locus ID:	5368
UniProt ID:	<a href="#">Q13519</a>
Cytogenetics:	8p21.1
Synonyms:	N/OFQ; NOP; OFQ; ppN/OFQ; PPNOG



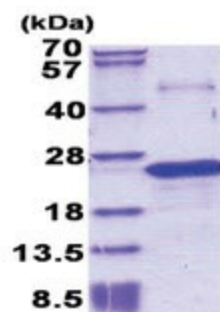
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**Summary:**

This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include nociceptin, nocistatin, and orphanin FQ2 (OFQ2). Nociceptin, also known as orphanin FQ, is a 17-amino acid neuropeptide that binds to the nociceptin receptor to induce increased pain sensitivity, and may additionally regulate body temperature, learning and memory, and hunger. Another product of the encoded preproprotein, nocistatin, may inhibit the effects of nociceptin. [provided by RefSeq, Jul 2015]

**Protein Families:**

Secreted Protein

**Product images:**

15% SDS-PAGE (3ug)