

Recombinant Human OFQ/N Protein (His Tag)

Catalog Number: PDEH100805

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

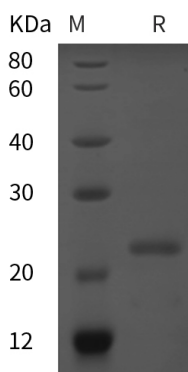
Description

| | |
|----------------------|--|
| Species | Human |
| Source | E.coli-derived Human PNOC protein Ser20-Val176, with an N-terminal His |
| Calculated MW | 17.2 kDa |
| Observed MW | 23 kDa |
| Accession | Q13519 |
| Bio-activity | Not validated for activity |

Properties

| | |
|-----------------------|---|
| Purity | > 95% as determined by reducing SDS-PAGE. |
| Endotoxin | < 10 EU/mg of the protein as determined by the LAL method |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis. |

Data



SDS-PAGE analysis of Human OFQ/N proteins, 2 µg/lane of Recombinant Human OFQ/N proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 23 kDa.

Background

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.

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