

# Human OT Recombinant Protein



RPPB1348

---

## Product Information   Protein Information

**Product SKU:**

RPPB1348

**Accession:**

P01178

**Protein description:**

Oxytocin Human Synthetic is a single, non-glycosylated, polypeptide chain containing 9 amino acids and having a molecular mass of 1007.2 Dalton. Oxytocin has a molecular formula of C<sub>43</sub>H<sub>66</sub>N<sub>12</sub>O<sub>12</sub>S<sub>2</sub>. The OT is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

OT, OXT, OT-NPI, Neurophysin 1, MGC126890, MGC126892.

**Formulation:**

The Oxytocin was lyophilized from a concentrated (1mg/ml) solution with no additives.

**Purity:**

Greater than 99.0% as determined by RP-HPLC.

**Solubility:**

It is recommended to reconstitute the lyophilized Oxytocin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Oxytocin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Neurophysin 1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Leu-Gly-NH<sub>2</sub>.