# Recombinant Mouse Oxt protein, His & T7-tagged

**Cat. No.** Oxt-8226M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Mouse Oxt aa. (Cys20~Glu124 (Accession # Q545V4)) fused with N-terminal His & T7 tag was produced in E. coli cells. |
| **Species** | Mouse |
| **Source** | E.coli |
| **ProteinLength** | Cys20~Glu124 |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 14.6kDa. |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | >95% |
| **Characteristic** | The isoelectric point is 5. |
| **Applications** | SDS-PAGE; WB; ELISA; IP. |
| **Stability** | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the |

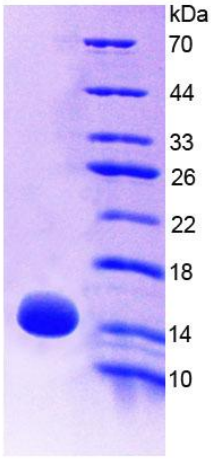
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| | Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| **Storage Buffer** | Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative. |
| **Reconstitution** | Reconstitute in sterile ddH2O. |

## GENE INFORMATION

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| **Gene Name** | Oxt oxytocin [ Mus musculus (house mouse) ] |
| **Official Symbol** | Oxt |
| **Synonyms** | Oxt; oxytocin; OT; Oxy; oxytocin-neurophysin 1; OT-NPI; neurophysin 1 |
| **Gene ID** | 18429 |
| **mRNA Refseq** | NM_011025.4 |
| **Protein Refseq** | NP_035155.1 |
| **UniProt ID** | Q545V4 |

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| **SDS-PAGE** | <br>15% SDS-PAGE |

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