

## Recombinant Mouse Oxt protein, His & T7-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Oxt aa. (Cys20~Glu124 (Accession # Q545V4)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Cys20~Glu124                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 14.6kDa.                                                                                                                                                                                                                                                                                                             |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                           |
| <b>Characteristic</b>   | The isoelectric point is 5.                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                       |
| <b>Stability</b>        | 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.<br>(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.               |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                  |
| <b>Storage Buffer</b> | Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative. |
| <b>Reconstitution</b> | Reconstitute in sterile ddH <sub>2</sub> O.                                                                                                 |

## GENE INFORMATION

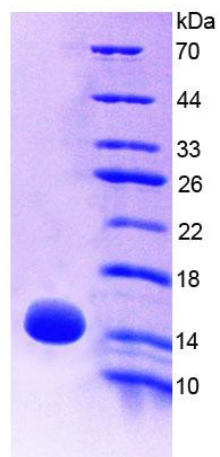
|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Oxt oxytocin [ Mus musculus (house mouse) ]</a>           |
| <b>Official Symbol</b> | <a href="#">Oxt</a>                                                   |
| <b>Synonyms</b>        | Oxt; oxytocin; OT; Oxy; oxytocin-neurophysin 1; OT-NPI; neurophysin 1 |
| <b>Gene ID</b>         | <a href="#">18429</a>                                                 |
| <b>mRNA Refseq</b>     | <a href="#">NM_011025.4</a>                                           |
| <b>Protein Refseq</b>  | <a href="#">NP_035155.1</a>                                           |
| <b>UniProt ID</b>      | <a href="#">Q545V4</a>                                                |

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## SDS-PAGE



15% SDS-PAGE

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