

## Recombinant Human OXT protein, His-tagged

**Cat. No.** OXT-8225H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human OXT aa. (Cys20~Arg125) fused with N-terminal His tag was produced in E. coli cells.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Cys20~Arg125  |
| <b>Form</b>             | Freeze-dried powder   |
| <b>Molecular Mass</b>   | 15kDa as determined by SDS-PAGE reducing conditions.  |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)   |
| <b>Purity</b>           | >98%  |
| <b>Characteristic</b>   | The isoelectric point is 5.8.   |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.  |
| <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. (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.

**Concentration**

200µg/mL

**Storage Buffer**

100mM NaHCO<sub>3</sub>, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in 100mM NaHCO<sub>3</sub>, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

OXT oxytocin/neurophysin I prepropeptide [ Homo sapiens (human) ]

**Official Symbol**

OXT

**Synonyms**

OXT; oxytocin/neurophysin I prepropeptide; OT; OT-NPI; OXT-NPI; oxytocin-neurophysin 1; neurophysin I; oxytocin, prepro- (neurophysin I); oxytocin, prepropeptide; oxytocin-neurophysin I, preproprotein

**Gene ID**

5020

**mRNA Refseq**

NM\_000915.3

**Protein Refseq**

NP\_000906.1

**UniProt ID**

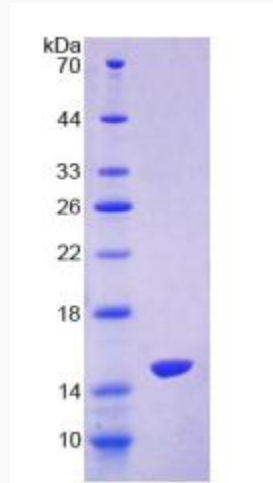
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**SDS-PAGE**



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