

# 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.<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>Concentration</b>  | 200µg/mL                                                                                                                      |
| <b>Storage Buffer</b> | 100mM NaHCO <sub>3</sub> , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.      |
| <b>Reconstitution</b> | 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

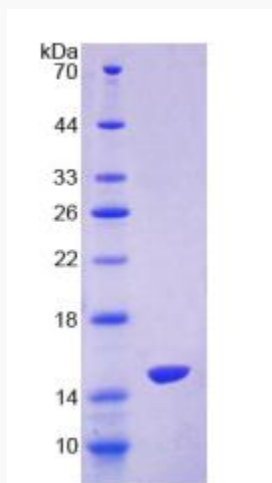
|                        |                                                                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | OXT oxytocin/neurophysin I prepropeptide [ Homo sapiens (human) ]                                                                                                                                        |
| <b>Official Symbol</b> | OXT                                                                                                                                                                                                      |
| <b>Synonyms</b>        | 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 |
| <b>Gene ID</b>         | 5020                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>     | NM_000915.3                                                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_000906.1                                                                                                                                                                                              |
| <b>UniProt ID</b>      | P01178                                                                                                                                                                                                   |

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**SDS-PAGE**



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