

## Recombinant Human OXT, GST-tagged

**Cat. No.** OXT-1488H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Human OXT protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                           |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 19-125aa                                                                                                                                                          |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

### GENE INFORMATION

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| <b>Gene Name</b>       | OXT oxytocin, prepropeptide [ Homo sapiens ]                                                                                                                                                                           |
| <b>Official Symbol</b> | OXT                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | OXT; oxytocin, prepropeptide; OT, oxytocin, prepro (neurophysin I); oxytocin-neurophysin 1; neurophysin I; oxytocin, prepro- (neurophysin I); oxytocin-neurophysin I, preproprotein; OT; OT-NPI; MGC126890; MGC126892; |

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| <b>Gene ID</b>             | 5020                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>         | NM_000915                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>      | NP_000906                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>                 | 167050                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | P01178                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 20p13                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem; Signal Transduction, organism-specific biosystem; |
| <b>Function</b>            | neurohypophyseal hormone activity; oxytocin receptor binding;                                                                                                                                                                                                                                                                                                                                                                          |