

Recombinant Human OXT Protein (32-125 aa), His-tagged

Cat. No. OXT-2240H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant Human OXT Protein (32-125 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial. |
| Species | Human |
| Source | Yeast |
| ProteinLength | 32-125 aa |
| Description | Neurophysin 1 specifically binds oxytocin. Oxytocin causes contraction of the smooth muscle of the uterus and of the mammary gland. |
| Form | Tris-based buffer, 50% glycerol |
| Molecular Mass | 11.6 kDa |
| AA Sequence | AAPDLDV RKCLPCGPGGKGR CFGPNICCAEELGCFVGTAEALRCQEENYLPSPCQ SGQKACGSGGRCAVLGLCCSPDGCHADPACDAEATFSQR |
| Purity | > 90% as determined by SDS-PAGE. |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week. |

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Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name OXT oxytocin, prepropeptide [Homo sapiens]

Official Symbol OXT

Synonyms OXT; oxytocin-neurophysin 1; neurophysin I; OT; OT-NPI; MGC126890; MGC126892;

Gene ID 5020

mRNA Refseq NM_000915

Protein Refseq NP_000906

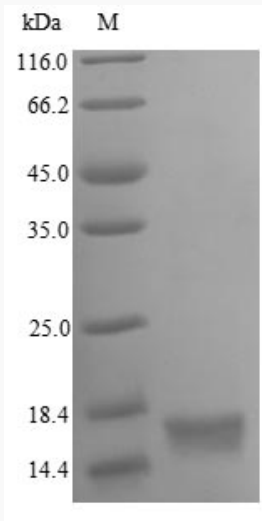
MIM 167050

UniProt ID P01178

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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