

Recombinant Human OXT, GST-tagged

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

SPECIFICATION

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

GENE INFORMATION

Gene Name	OXT oxytocin, prepropeptide [Homo sapiens]
Official Symbol	OXT
Synonyms	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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Gene ID	5020
mRNA Refseq	NM_000915
Protein Refseq	NP_000906
MIM	167050
UniProt ID	P01178
Chromosome Location	20p13
Pathway	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;
Function	neurohypophyseal hormone activity; oxytocin receptor binding;

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