

## Recombinant Rat Oxt protein, His & T7-tagged

**Cat. No.** Oxt-8227R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Oxt aa. (Cys20~Glu124 (Accession # P01179)) fused with N-terminal His & T7 tag was produced in E. coli cells.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Cys20~Glu124
<b>Description</b>	Hormone involved in contraction of smooth muscle during parturition and lactation; gene encodes two proteins, oxytocin and neurophysin.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 14.5kDa.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 5.0.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate

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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 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>Storage Buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Oxt oxytocin/neurophysin 1 prepropeptide [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Oxt</a>
<b>Synonyms</b>	Oxt; oxytocin/neurophysin 1 prepropeptide; oxytocin-neurophysin 1; OT-NPI; oxycytocin; oxytocin, prepropeptide; oxytocin/neurophysin (Oxt) gene, complete gene, complete cds
<b>Gene ID</b>	<a href="#">25504</a>
<b>mRNA Refseq</b>	<a href="#">NM_012996.3</a>
<b>Protein Refseq</b>	<a href="#">NP_037128.1</a>
<b>UniProt ID</b>	<a href="#">P01179</a>

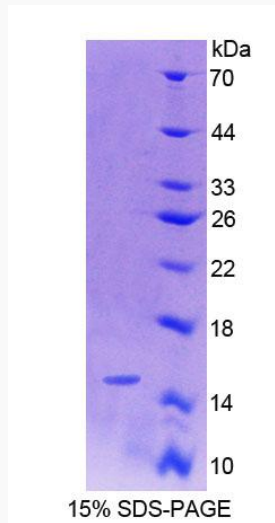
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SDS-PAGE



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