

Recombinant Rat Oxt protein, His & T7-tagged

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

SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage Buffer

Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in sterile ddH₂O.

GENE INFORMATION

Gene Name

Oxt oxytocin/neurophysin 1 prepropeptide [*Rattus norvegicus* (Norway rat)]

Official Symbol

Oxt

Synonyms

Oxt; oxytocin/neurophysin 1 prepropeptide; oxytocin-neurophysin 1; OT-NPI; oxycytocin; oxytocin, prepropeptide; oxytocin/neurophysin (Oxt) gene, complete gene, complete cds

Gene ID

25504

mRNA Refseq

NM_012996.3

Protein Refseq

NP_037128.1

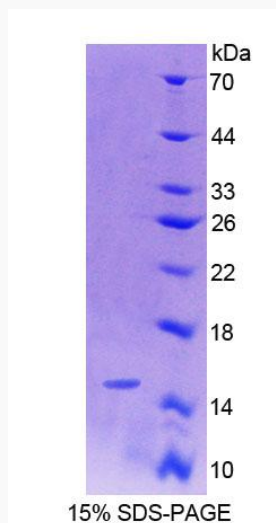
UniProt ID

P01179

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA