

Oxytocin-neurophysin 1 (Oxt) Recombinant Protein | Oxt recombinant protein

Recombinant Mouse Oxytocin-neurophysin 1 (Oxt), partial

CATALOG # AAA113639	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Oxytocin-neurophysin 1 (Oxt); Recombinant Mouse Oxytocin-neurophysin 1 (Oxt); partial; Oxt recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	32-125. Partial,provide Neurophysin 1 chain
Sequence	AVLDLDMRKC LPCGPGGKGR CFGPSICCAD ELGCFVGTA EALRCQEENYL PSPCQSGQKP CGSGGRCAAT GICCSPDGCR TDPACDPESA FSER
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Oxt recombinant protein	There are two proteins encoded by this gene, oxytocin and neurophysin I. Oxytocin is posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into the bloodstream. The precursor seems to be activated while it is being transported along the axon to the posterior pituitary. This hormone contracts smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6754960
NCBI GeneID	18429
NCBI Accession #	NP_035155.1
NCBI GenBank Nucleotide #	NM_011025.4
UniProt Accession #	P35454
Molecular Weight	17.1 kDa
NCBI Official Full Name	oxytocin-neurophysin 1 preproprotein
NCBI Official Synonym Full Names	oxytocin
NCBI Official Symbol	Oxt
NCBI Official Synonym Symbols	OT; Oxy

NCBI Protein Information	oxytocin-neurophysin 1
UniProt Protein Name	Oxytocin-neurophysin 1
UniProt Gene Name	Oxt
UniProt Synonym Gene Names	OT-NPI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/oxt-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113639>