

## Product datasheet

# Recombinant human Neurotrophin 4 protein ab9825

### 概述

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产品名称	重组人Neurotrophin 4蛋白
蛋白长度	Full length protein

### 描述

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性质	Recombinant
来源	Escherichia coli

### 氨基酸序列

种属	Human
序列	The active form of human NT-4 is a dimer formed by two identical 130 amino acid subunits that is held together by strong hydrophobic interactions: GVSETAPAS RRGELAVCDA VSGWVTD RRT AVDLRGREVE VLGEVPAAGG SPLRQ YFFETRCKADNAEEG GPGAGGGGCR GVDRRHWSE CKAKQSYVRA L TADAQGRVG WRWIRIDTACVCTLLSRTGR A

### 技术指标

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Our [Abpromise guarantee](#) covers the use of **ab9825** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Functional Studies SDS-PAGE
内毒素水平	< 0.100 Eu/μg
形式	Lyophilised
补充说明	NT-4 is fully biologically active when compared to standards as determined by the dose-dependent induction of choline acetyl transferase activity in rat basa forebrain primary septal cell cultures. The expected ED50 for this effect is 20-50 ng/ml.

### 制备和贮存

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## 稳定性和存储

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

n/a

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## 常规信息

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### 功能

Target-derived survival factor for peripheral sensory sympathetic neurons.

### 组织特异性

Highest levels in prostate, lower levels in thymus, placenta, and skeletal muscle. Expressed in embryonic and adult tissues.

### 疾病相关

Defects in NTF4 may be associated with susceptibility to primary open angle glaucoma type 10 (GLC10) [MIM:613100]. A form of primary open angle glaucoma (POAG). POAG is characterized by a specific pattern of optic nerve and visual field defects. The angle of the anterior chamber of the eye is open, and usually the intraocular pressure is increased. The disease is asymptomatic until the late stages, by which time significant and irreversible optic nerve damage has already taken place.

### 序列相似性

Belongs to the NGF-beta family.

### 细胞定位

Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Replacement or refund for products not performing as stated on the datasheet
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