## **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 81-210aa

**UniProt No.** P34130

NCBI Accession No. NP\_006170

Alternative Names Neurotrophin-4, NT4, NT5, NTF5, NT-4/5

# **PRODUCT SPECIFICATION**

Molecular Weight 14.1 kDa (131aa)

**Concentration** 1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 20% glycerol

Purity

> 85% by SDS-PAGE

Tag Non-Tagged

Application SDS-PAGE, Denatured

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

NTF4, also known as neurotrophin 4, is a member of a family of neurotrophic factors neurotrophins that control survival and differentiation of mammalian neurons. This protein is ubiquitous and less influenced by environmental signals. While knock-outs of other neurotrophins including nerve growth factor, brain-derived neurotrophic factor, and neurotrophin 3 prove lethal during early postnatal development, NTF4-deficient mice only show minor cellular deficits and develop normally to adulthood.



### **Amino acid Sequence**

MGVSETAPAS RRGELAVCDA VSGWVTDRRT AVDLRGREVE VLGEVPAAGG SPLRQYFFET RCKADNAEEG GPGAGGGGCR GVDRRHWVSE CKAKQSYVRA LTADAQGRVG WRWIRIDTAC VCTLLSRTGR A

### **General References**

Pasutto F., et al. (2009) Am. J. Hum. Genet. 85:447-456. Liu Y., et al. (2010) Am. J. Hum. Genet. 86:498-499.

## DATA

