

Recombinant human NT-4 protein

Catalog Number: ATGP1175

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.

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Amino acid Sequence

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

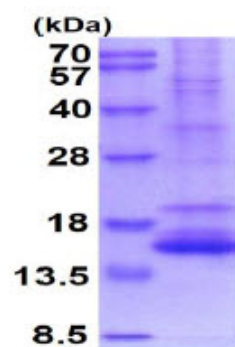
General References

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

SDS-PAGE



15% SDS-PAGE (3 μ g)

3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.