

# Recombinant Mouse NTF4 Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP51713

Size: 10ug, 100ug

Protein Name: Neurotrophin-4 (NT-4) (Neurotrophin-5) (NT-5) (Neutrophic factor 4)

Synonym: Ntf4, Ntf5

UniProt ID: Q80VU4

UniProt Link: [www.uniprot.org/uniprotkb/Q80VU4/entry](http://www.uniprot.org/uniprotkb/Q80VU4/entry)

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 209 AA

Molecular Weight: 22 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MLPRHSCSLLLFLLLPSVPMEPHPPSSSTLPPFLAPEWDLLSPRVALSRGAPAGPPLLFLLEAGAYGE  
PAGAPANRSRRGVSETAPASRRGELAVCDVSGWVTDRRTAVDLRGREVEVLGEVPAAGGSPLR  
QYFFETRCKAESAGEGGPGVGGGGCGRGVDRRHVLSECKAKQSYVRALTADSQGRVGWRWIRIDT  
ACVCTLLSRTGRA

## 3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

## 5. Product Description

This product is recombinant Neurotrophin-4 (NT-4) (Neurotrophin-5) (NT-5) (Neutrophic factor 4) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

**Protein Function:** Target-derived survival factor for peripheral sensory sympathetic neurons (By similarity). May promote ameloblast differentiation and subsequent reduction in proliferation of ameloblasts (PubMed:27015268).

**Subcellular Localization:** Secreted .

## 6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.