

Recombinant Rat NTF4 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52637

Size: 10ug, 100ug

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

Synonym: Ntf4, Nt4, Ntf5

UniProt ID: P34131

UniProt Link: www.uniprot.org/uniprotkb/P34131/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 209 AA

Molecular Weight: 22 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MLPRHSCSLLLFLLLLPSVPMEPQPPSSTLPPFLAPEWDLLSPRVALSRGTPAGPPLLFLLEAGAYGE
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 (By similarity).

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.