

## Tpc1808 Rat

**Description:** Tropic-1808 Rat Recombinant protein fused to N-terminal His-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing 285 amino acids and having a molecular mass of 29.1 kDa. The Tpc1808 is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-594

**Synonyms:** Tropic 1808, Tpc1808.

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Amino Acid Sequence:**

MSYYHHHHHHMNLAQIAALNQISNLNLAIRVGQVLKVSNAAGSNNTQNTTQPSAGVPTNTASSTTG  
YTVKSGDTLSAIAAANGVSLANLLSWNNLSLQAIIPGQKLTIQNANNATVTPNAPTSTPTVMPST  
NGSYTVKSGDTLYGIAAKLGTNVQTLNGLQLSSTIYVGQVLKTTGAVAGAGTATSTPTPVPTPT  
VSKPAAANGVSTAGLSAAQAALRTAVVDAQAATAGTGVLASVTVQAILESGWGQS

**Purity:** Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Formulation:**

The Tropic-1808 was lyophilized from 1X PBS, pH 7.4.

**Stability:**

Lyophilized Tpc1808 although stable 10°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Tropic 1808 is a candidate chemotropic factor induced by nerve injury. Tpc1808 protein, similar to NGF, could promote the expression of NF-H in a time-dependent manner. Tpc1808 is the gene related to promotion of nerve growth, and both the Tpc1808 gene and the Tpc1808 recombinant protein up-regulate the expression of NF-H in PC12 cells.

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