

Tropic 1808

Rat, Recombinant (rRaTPC1808)

Expressed in *E. coli*

Cat. No. CRP08133

Lot. No. (See product label)

PRODUCT INFORMATION

Description: Rat 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.

Amino-Acid Sequence: 285aa, non-glycosylated

M. W. : approximately 29.1 kDa

Recombinant: Expressed in *E. coli*

Purity: >95% by SDS-PAGE and HPLC analyses.

Formulation: Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in 1×PBS, pH 7.4.

Endotoxin: Less than 1EU/µg of rRaTPC1808 as determined by LAL method.

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Storage: This lyophilized preparation is stable for several weeks at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name: [Tpc1808](#)

Synonyms: tropic 1808

mRNA Refseq: [NM_022625](#)

Protein Refseq : [NP_072147](#)

Gene ID: [64560](#)

Function: amidase activity

REFERENCES

Liu M, Gu X, Zhang Q, Liu Y, Lin S, Gu Y, Ding F. Tpc1808 increases expression of NF-H in PC12 cells. J Mol Neurosci. 2006;29(2):123-9.

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