

Recombinant Rat Tropic 1808

Cat. No. TPC1808-12R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tropic 1808 produced in <i>E.coli</i> is a single non-glycosylated polypeptide chain containing 285 amino acids and having a molecular mass of approximately 29.1 kDa.
Species	Rat
Source	E.coli
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.
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.

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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
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Synonyms	tropic 1808
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Gene ID	64560
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mRNA Refseq	NM_022625
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Protein Refseq	NP_072147
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Function	amidase activity
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