

Recombinant Rat Tropic1808, His

#R00581

Size: 10 µg/100 µg/500 µg

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
 - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
 - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

Tropic1808 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.

AA Sequence

MSYYHHHHHHDDYDIPTTENLYFQAMDPEFMNLAQIA
ALNQISNLNAIRVGQVLKVSNAAGSNNTQNTTQPSAG
VPTNTASSTTGTYVKSGDTLSAIAAANGVSLANLLSW
NNLSLQAIYPGQKLTIQNANNATVTTPNAPTSTPTVM
PSTNGSYTVKSGDTLYGIAAKLGTNVQTLLSLNGLQL
SSTIYVGQVLKTTGAPVAGAGTATSTPTVPTPTVSKPA
AANGVSTAGLSAAQAAWLRTAVVDAQAATAGTGVLA
SVTVAQAILESGWGQSALASAPYHNFNLYLIKVKNTW
KLMTLLLS

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.

Product Specification

Species	Rat
Source	Escherichia coli.
Tags	His
Molecular Weight	Approximately 29.1 kDa, a single non-glycosylated polypeptide chain containing 304 amino acids, with 6 × His at the N-terminus.
Purity	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity	Data is not available.
Physical Appearance	Sterile Filtered White Lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	Less than 1 EU/µg of

