

Recombinant Rat Tropic1808, His

Information

Gene ID	
Accession #	
Alternate Names	
Source	Escherichia coli.
M.Wt	Approximately 29.1 kDa, a single non-glycosylated polypeptide chain containing 304 amino acids, with 6 × His at the N-terminus.
AA Sequence	MSYYHHHHHH DYDIPTTENL YFQAMDPEFM NLAQIAALNQ ISNLNAIRVG QVLKVSNAAG SNNTQNTTQP SAGVPTNTAS STTGTVKSG DTLAIAAAN GVSLANLLSW NNLSLQAIY PGQKLTIQNA NNATVTPNA PTSTPTVMPS TNGSYTVKSG DTLYGIAAKL GTNVQTLLSL NGLQLSSTIY VGQVLKTTGA PVAGAGTATS TPTPVTPTVS KPAAANGVST AGLSAAQAAW LRTAVVDAQA ATAGTGVLAS VTVAQAILES GWGQSALASA PYHNFNLYLI KVKNTWKLMT LLLS
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
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
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
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.
Biological Activity	Data is not available.
Shipping Condition	Gel pack.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Components and Storage

Components	10µg	100µg	500µg
Recombinant Rat Tropic1808, His	10µg	100µg	500µg

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- 3 months, -20 to -70 °C under sterile conditions after reconstitution

Quality Control

Purity	> 95 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 1 EU/μg of rRtTPC1808, His as determined by LAL method.

Description

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.

Reference

1. Liu M, Gu X, Zhang Q, et al. 2006. J Mol Neurosci, 29: 123-9.

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