

Technical Data Sheet

Flogen[®] Recombinant Rat Tropic 1808, His **(rRtTPC 1808, His)**

Catalog Number:	PGR0641-001
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 29.1 kDa, a single non-glycosylated polypeptide chain containing 275 amino acids, with 6 × His at N-terminus.
Quantity:	10µg/50µg/1mg
AA Sequence:	MSYYHHHHHH MNLAQIAALN QISNLNAIRV GQVLKVSNAAGSNNTQNTTQ PSAGVPTNTA SSTTGYTVKS GDTLSAIAAANGVSLANLLS WNNLSLQAI YPGQKLIQN ANNATVTPNAPTSTPTVMP STNGSYTVKS GDTLYGIAAK LGTNVQTLLSLNGLQLSSTI YVGQVLKTTG APVAGAGTAT STPTPVTPVSKPAAANGVS TAGLSAAQAA WLRTAVVDAQ AATAGTGVLASVTVAQAILE SGWGQSALAS APYHNFNLYL IKVKNTWKMLTLLS
Purity:	>95% by SDS-PAGE and HPLC analyses.
Biological Activity:	Data is not available.
Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 1EU/µg of rRtTPC 1808, His 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 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.
Usage:	For research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Rat Tropic 1808

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.