Recombinant Rat Tropic1808, His (rRtTPC1808, His)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	641-01
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 29.1 kDa, a single non-glycosylated polypeptide chain containing 304 amino acids, with 6 × His at the N-terminus.
Quantity:	10μg/50μg/1000μg
AA Sequence:	**MSYYHHHHHH DYDIPTTENL YFQAMDPEF**M NLAQIAALNQ ISNLNAIRVG QVLKVSNAAG SNNTQNTTQP SAGVPTNTAS STTGYTVKSG DTLSAIAAAN GVSLANLLSW NNLSLQAIIY PGQKLTIQNA NNATVTTPNA PTSTPTVMPS TNGSYTVKSG DTLYGIAAKL GTNVQTLLSL NGLQLSSTIY VGQVLKTTGA PVAGAGTATS TPTPVTPTVS KPAAANGVST AGLSAAQAAW LRTAVVDAQA ATAGTGVLAS VTVAQAILES GWGQSALASA PYHNFNLYLI KVKNTWKLMT LLLS
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 rRtTPC1808, 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 ℃ . Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
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.
Usage:	**ChemWhat Limited in UK offers this branded product for research, development or further** evaluation purposes. **NOT FOR HUMAN USE.**

Rat Tropic1808

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.