Recombinant Rat Protein C10/CCL6 (rRtC10/CCL6)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	244-06
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 10.4 kDa, a single non-glycosylated polypeptide chain containing 94 amino acids.
Quantity:	2μg/10μg/1000μg
AA Sequence:	GLIQDTVKED RPFNPTIIHQ GFQDSSDCCF SYASQIPCSR FIYYFPTSGG CTKPGIIFVT RKRKRVCANP SDQRVQTCIS TLKLGPRSGN SAIA
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human CCR1 transfected murine BaF3 cells is in a concentration range of 10-100 ng/ml.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2μm filtered concentrated solution in 20 mM PB, pH 7.4, 50 mM NaCl.
Endotoxin:	Less than 1EU/μg of rRtC10/CCL6 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.
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 Protein C10/CCL6

Chemokine (C-C motif) ligand 6 (CCL6), encoded by the gene CCL6, is a small cytokine belonging to the CC chemokine family that has only been identified in rodents. It signals primarily through the CCR1 receptor. CCL6 is chemotactic for B cells, CD4+ T cells, monocytes and NK cells and also exhibits powerful suppressive activity on colony formation by different lineages of hematopoietic progenitors. It contains the four highly conserved cysteine residues present in CC chemokines. The completed rat CCL6 sequence is 115 amino acids (a.a.) containing 21 a.a. signal peptide. It has about 78 % identity with mouse homologue (116 a.a.).