

Recombinant Murine Protein C10/CCL6

#R00427

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

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. Murine CCL6 is expressed in myelopoietic bone marrow cultures when stimulated with GM-CSF, M-CSF, IL-3 or IL-4 and has also been detected in an IL-2-dependent T cell line, where the expression is inhibited following T cell stimulation. 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. The C10 contains the four highly conserved cysteine residues present in CC chemokines.

AA Sequence

GLIQEIEKEDRRYNPPIIHQGFQDTSSDCCFSYATQIP

CKRFIYYFPTSGGCIKPGIIFISRRGTQVCADPSDRRV
QRCLSTLKQGPRSGNKVIA

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

Synonyms	Small-inducible Cytokine A6
Accession	P27784
GeneID	20305
Species	Murine
Source	Escherichia coli.
Molecular Weight	Approximately 10.7 kDa, a single non-glycosylated polypeptide chain containing 95 amino acids.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human CCR1 transfected murine BaF3 cells is in a concentration range of 10-100 ng/ml.
Physical	Sterile Filtered White Lyophilized

Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM Tris, pH 8.0, 500 mM NaCl.
Endotoxin	Less than 1 EU/μg of rMuC10/CCL6 as determined by LAL method.