

Recombinant Murine Regulation upon Activation Normal T cell Express Sequence/CCL5

Information

Gene ID	20304
Accession #	P30882
Alternate Names	MuRantes, SIS-delta, Small-inducible cytokine A5, T-cell-specific protein RANTES
Source	Escherichia coli.
M.Wt	Approximately 7.9 kDa, a single non-glycosylated polypeptide chain containing 68 amino acids.
AA Sequence	SPYGSDTTPC CFAYLSLALP RAHVKEYFYT SSKCSNLAVV FVTRRNRQVC ANPEKKWVQE YINYLEMS
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 30 % Acetonitrile and 0.1 % TFA.
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 0.5-1.0 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	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human T lymphocytes is in a concentration range of 1.0-10 ng/ml.
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	5µg	100µg	500µg
Recombinant Murine Regulation upon Activation Normal T cell Express Sequence/CCL5	5µg	100µg	500µg

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

Quality Control

Purity	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 1 EU/μg of rMuRANTES/CCL5 as determined by LAL method.

Description

Chemokine (C-C motif) ligand 5 (CCL5) also known as RANTES is classified as a chemotactic cytokine or chemokine. It is encoded by the CCL5 gene in humans. CCL5 is chemotactic for T cells, eosinophils, and basophils, and plays an active role in recruiting leukocytes into inflammatory sites which has been reported to be produced by renal tubular epithelium, synovial fibroblasts and selected tumor cells. In addition, it also induces the proliferation and activation of certain natural-killer cells to form CHAK cells. Recombinant murine CCL5, a single non-glycosylated polypeptide, contains 68 amino acids and it shares 84 % and 100 % a.a. sequence identity with human and rat CCL5.

Reference

1. Donlon TA, Krensky AM, Wallace MR, et al. 1990. Genomics. 6:548-53
2. Maghazachi AA, Al-Aoukaty A, Schall TJ. 1996. Eur J Immunol. 26:315-9
3. Cocchi F, DeVico AL, Garzino-Demo A, et al. 1995. Science. 270:1811-5.

APExBIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com

