

Recombinant Rat Ccl11 protein

Cat. No. Ccl11-636R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ccl11 protein was expressed in Escherichia coli.
Species	Rat
Source	E.coli
ProteinLength	74
Description	CCL11 encoded by the gene CCL11 is belonging to the CC chemokine family. It is a potent eosinophil chemoattractant that was originally purified from bronchoalveolar lavage fluid of guinea pigs sensitized by aerosol challenge with ovalbumin. CCL11 is a strong and specific eosinophil chemoattractant in vitro. It can directly chemotactic for eosinophils, but not for monocytes or neutrophils. CCR3 has been identified to be a specific CCL11 receptor. CCR3 has also been shown to serve as a cofactor for a restricted subset of primary HIV viruses and binding of CCL11 to CCR3 inhibited infection by the HIV isolates.
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using purified eosinophils is in a concentration range of 0.1-1.0 µg/ml.
Molecular Mass	Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 74

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	amino acids.
AA Sequence	HPGSIPTSCCFTMTSKKIPNTLLKSYKRITNNRCTLKAIVFKTKLGKEICADPKKKWVQ DATKHLQKLQTPKP
Endotoxin	Less than 1 EU/μg of rRtEotaxin/CCL11 as determined by LAL method.
Purity	>96% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
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 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Ccl11
Official Symbol	Ccl11
Synonyms	CCL11; chemokine (C-C motif) ligand 11; eotaxin; C-C motif chemokine 11; small inducible cytokine A11; small-inducible cytokine A11; eosinophil chemotactic protein; small inducible cytokine subfamily A11; Scya11;
Gene ID	29397

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mRNA Refseq [NM_019205](#)

Protein Refseq [NP_062078](#)

UniProt ID [P97545](#)

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