

Recombinant Mouse Ccl27a protein

Cat. No. Ccl27a-118M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl27a protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	95
Description	Chemokine (C-C motif) ligand 27 (CCL27) is a small cytokine belonging to the CC chemokine family also known under the names IL-11 R-alpha-locus chemokine (ILC), Skinkine, ESkin and Cutaneous T-cell-attracting chemokine (CTACK). It is associated with homing of memory T lymphocytes to the skin, and plays a role in T cell-mediated inflammation of the skin. CCL27 is expressed in numerous tissues, including gonads, thymus, placenta and skin.
Form	Lyophilized from a 0.2µm filtered concentrated solution in 2 × PBS, pH 7.4, with 5% trehalose.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood lymphocytes is in a concentration range of 10-100 ng/ml.
Molecular Mass	Approximately 10.9 kDa, a single, non-glycosylated polypeptide chain containing 95 amino acids.

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AA Sequence	LPLPSSTSCCTQLYRQPLPSRLLRRIVHMEHQEADGDCHLQAVVLHLARRSVCVHP QNRSLARWLERQGGKRLQGTVPSTNLVLQKKMYSNPQQQN
Endotoxin	Less than 1 EU/g of rMuCTACK/CCL27 as determined by LAL method.
Purity	>98% 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	Ccl27a
Official Symbol	Ccl27a
Synonyms	CCL27A; chemokine (C-C motif) ligand 27A; C-C motif chemokine 27; skinkine; skinskine; CC chemokine ILC; small inducible cytokine A27; small-inducible cytokine A27; IL-11 R-alpha-locus chemokine; small inducible cytokine A27a; chemokine (C-C motif) ligand 27; cutaneous T-cell-attracting chemokine; ALP; ILC; CTAK; CTACK; Ccl27; PESKY; ESkin; Scya27; Scya27a; AW558992; MGC130150;
Gene ID	20301

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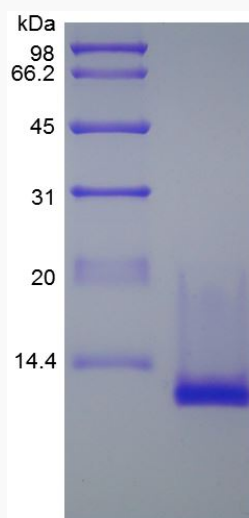
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mRNA Refseq NM_001048179

Protein Refseq NP_001041644

UniProt ID Q9Z1X0

SDS-PAGE of
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