

Growth Factor Data Sheet

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

CCL27 is a chemokine containing four conserved cysteine residues, two of which are adjacent. As a result of alternative splicing, there are two isoforms of CCL27, each containing a different signal sequence. One variant is expressed in the skin and the placenta and is secreted, while the other is expressed in the testes and brain and targeted to the nucleus to participate in intracrine signaling. This recombinant murine CCL27 is a mature form that lacks a secretion signal sequence or a nuclear targeting sequence. Expression of CCL27 is upregulated by TNF-alpha and IL1B. CCL27 is chemotactic for CLA(+) T-cells and plays a role in T-cell migration in the skin. The intracrine isoform may play a role in cell migration as well by inducing cytoskeletal relaxation. CCL27 is a ligand for CCR10.

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| Catalog Number | 2340-27 |
| Product Name | CCL27, Murine Recombinant Murine Chemokine (C-C motif) Ligand 27 (CCL27) Cutaneous T-cell Attracting Chemokine (CTACK) Small Inducible Cytokine Subfamily A Member 27 (SCYA27) Interleukin 11 Receptor, Alpha-Locus Chemokine (ILC) ESKine PESKY |
| Source | <i>Escherichia coli</i> |
| MW | ~10.9 kDa (95 amino acids) |
| Sequence | LPLPSSTSCC TQLYRQPLPS RLLRRIVHME LQEADGDCHL QAVVLHLARR SVCVHPQNRSLARWLERQGK RLQGTVPSLN LVLQKKMYSN PQQQN |
| Accession Number | Q9Z1X0 |
| Purity | >98% 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 peripheral blood lymphocytes is in a concentration of 10-100 ng/ml. |
| Formulation | Sterile filtered white lyophilized powder. Purified and tested for use in cell culture. |
| Storage/Handling | This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles. |
| Reconstitution | The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum. |