

Growth Factor Data Sheet

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

Rat CCL28 is a chemokine containing six conserved cysteine residues, two of which are adjacent. It is expressed constitutively in epithelial cells at mucosal sites, such as salivary glands and the colon, and expression is upregulated by proinflammatory stimuli such as IL1 and n-butyrate. CCL28 is chemotactic for resting T-cells, eosinophils, and IgA antibody-secreting cells (ASCs). It is important for regulating IgA ASC accumulation in mammary glands and consequently the transfer of IgA antibodies from mother to infant. CCL28 displays antimicrobial activity in low-salt conditions against *Candida albicans*, gram-negative, and gram positive bacteria. CCL28 is a ligand for CCR10 and CCR3.

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| Catalog Number | 2540-28 |
| Product Name | CCL28, Rat Recombinant Rat Chemokine (C-C motif) Ligand 28 (CCL28) Mucosae-Associated Epithelial Chemokine (MEC) Small Inducible Cytokine Subfamily A Member 28 (SCYA28) |
| Source | <i>Escherichia coli</i> |
| MW | ~13.1 kDa (116 amino acids) |
| Sequence | SEAILPIASS CTEVSHHIP RLLERVNSC SIQRADGDCD LAAVILHVKR RRICVSPHNP TLKRWMSASE MKNGKENLCP RKKQDSGKDR KGHTPRKHGK HGTRRIHGTH DHEAPR |
| Biological Activity | Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 5-50 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. |