

# Growth Factor Data Sheet

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

CCL25 is a chemokine containing four conserved cysteine residues, two of which are adjacent. It is expressed primarily in thymus and small intestine tissue. CCL25 is chemotactic for thymocytes, macrophages, and dendritic cells, as well as IgA antibody-secreting cells and is also a suppressor of myeloid progenitor cells. CCL25 is important for selective homing and retention of T cells in the small intestine instead of the colon and is possibly involved in T cell development. CCL25 is a ligand for CCR9 and ACKR4.

<b>Catalog Number</b>	<b>2140-25</b>
<b>Product Name</b>	<b>CCL25, Human</b> Recombinant Human Chemokine (C-C motif) Ligand 25 (CCL25) Thymus-Expressed Chemokine (TECK) Small Inducible Cytokine Subfamily A Member 25 (SCYA25)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~14.3 kDa (128 amino acids)
<b>Sequence</b>	MQGVFEDCCL AYHYPIGWAV LRRAWTYRIQ EVSGSCNLPA AIFYLPKRHR KVCGNPKSRE VQRAMKLLDA RNKVFALHH NTQTFQAGPH AVKKLSSGNS KLSSSKFSNP ISSSKRNVSL LISANSGL
<b>Accession Number</b>	<a href="#">O15444</a>
<b>Purity</b>	>97% by SDS-PAGE and HPLC analyses
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration of 1-10 ng/ml.
<b>Formulation</b>	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
<b>Storage/Handling</b>	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.
<b>Reconstitution</b>	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.