Recombinant Human CCL21

Cat No:HR2R1233

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	CCL21
Gene ID	6366
Accession	O00585
Alternative Name	C-C motif chemokine 21, 6Ckine, Beta-chemokine exodus-2, SLC, Small-inducible cytokine A21, SCYA21 Recombinant Human Secondary Lymphoid-Tissue Chemokine (CCL21)
Species	Human
Source	E. coli
Description	CCL21, which is a member of the family of CC-Chemokines, has a unique 36 (murine) or 37 (human) amino acid carboxyl-terminal extension not seen in other chemokines. CCL21 selectively stimulates the chemotaxis of adult T lymphocytes and is expressed preferentially in lymph node tissue. CCL21 is critical for adult T cell adhesion to high endothelial venules in lymph nodes, a rate-limiting step for T cell trafficking through nodal tissue.
Functions	Determined by its ability to chemoattract total lymphocyte population using a concentration range of 10-100 ng/mL.
Formulation	Recombinant CCL21 was lyophilized from a 0.2 ?m filtered solution in 2.5% glycine, 0.5% sucrose, 0.01% Tween80, 5 mM Glutamic acid, pH 4.5.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	12
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.