

Product datasheet for **TP723087**

Exodus 2 (CCL21) (NM_002989) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human chemokine (C-C motif) ligand 21 (CCL21).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	SDGGAQDCCL KYSQRKIPAK WRSYRKQEP SLGCSIPAIL FLPRKRSQAE LCADPKELWW QQLMQHLDKT PSPQKPAQGC RKDRGASKTG KKGKGSKGCR KTERSQTPKG P
Tag:	Tag Free
Predicted MW:	12.2 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to chemoattract total lymphocyte population using a concentration range of 10.0-100.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002980
Locus ID:	6366
UniProt ID:	O00585 , Q6ICR7
RefSeq Size:	913
Cytogenetics:	9p13.3
RefSeq ORF:	402
Synonyms:	6Ckine; CKb9; ECL; SCYA21; SLC; TCA4



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Summary:

This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19). [provided by RefSeq, Sep 2014]

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Product images: