PRODUCT INFORMATION

Expression system Baculovirus

Domain 24-133aa

UniProt No. P84444

NCBI Accession No. NP_035254

Alternative Names

C-C motif chemokine ligand 21A, 6Ckine, Beta-chemokine exodus-2, Small-inducible cytokine A21a, Scya21, Scya21a, Thymus-derived chemotactic agent 4, TCA4, 6CKBAC2, ALP, CKb9, Gm1987, SLC

PRODUCT SPECIFICATION

Molecular Weight

13.1 kDa (119aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity > 90% by SDS-PAGE

Endotoxin level < 1 EU per 1ug of protein (determined by LAL method)

Tag His-Tag

Application SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CCL21, also known as C-C motif chemokine 21a, is a member of homeostatic chemokine. It plays an importantrole in adaptive immune responses and inflammation. This protein Inhibits hemopoiesis and stimulates chemotaxis. It is involved in signaling through CXCR3. This protein is upregulated on local vascular endothelial



cells,macrophages, T cells, and neurons during chronic inflammation or tissue damage. Deficient of This protein was impaired in the medullary deletion of self-reactive thymocytes and developed autoimmune dacryoadenitis and T cellaccumulation in the lymph nodes was also defective. Recombinant mouse CCL21, fused to His-tag at C-terminus,was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

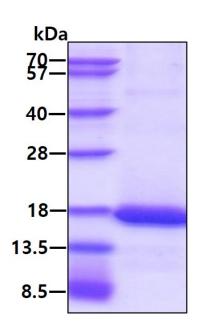
<ADP>SDGGGQD CCLKYSQKKI PYSIVRGYRK QEPSLGCPIP AILFSPRKHS KPELCANPEE GWVQNLMRRL DQPPAPGKQS PGCRKNRGTS KSGKKGKGSK GCKRTEQTQP SRG<HHHHHH>

General References

Kozai M., et al. (2017) J Exp Med. 214:1925-1935. Chen SC., et al. (2002) J Immunol. 168:1001-1008.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

