PRODUCT INFORMATION

Expression system E.coli

Domain 24-97aa

UniProt No. P51671

NCBI Accession No. NP_002977

Alternative Names

Small inducible cytokine A11, SCYA11, Small inducible cytokine A11 CCL 11, Chemokine C C motif ligand 11, Chemokine CC Motif Ligand 11, Chemokine ligand 11, Eosinophil Chemotactic Protein, MGC22554, SCYA 11, Small inducible cytokine subfamily A (Cys Cys) member 11, Small inducible cytokine subfamily A member 11.

PRODUCT SPECIFICATION

Molecular Weight

10.6 kDa (95aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1 M NaCl.

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

CCL11 is a small cytokine belonging to the CC chemokine family that is also known as eotaxin-1. CCL11 selectively recruits eosinophils by inducing their chemotaxis, and therefore, is implicated in allergic responses.

The effects of CCL11 are mediated by its binding to a G-protein-linked receptor known as a chemokine receptor. Chemokine receptors for which CCL11 is a ligand include CCR2, CCR3 and CCR5. Recombinant CCL11 protein was expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MGPASVPTTC CFNLANRKIP LQRLESYRRI TSGKCPQKAV IFKTKLAKDI CADPKKKWVQ DSMKYLDQKS PTPKP

General References

Imai T., et al. (1996) J Biol Chem. 271 (35): 21514-21 Kakinuma T,., et al. (2002) Cytokine. 20(1):1-6.

DATA

SDS-PAGE



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

