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Datasheet for ABIN7455689 CCL16 Protein

Overview

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|---------------|----------------------------|
| Quantity: | 50 µg |
| Target: | CCL16 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |

Product Details

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|------------------|--|
| Purpose: | Recombinant Human C-C Motif Chemokine 16 is produced by our E.coli expression system and the target gene encoding Gln24-Gln120 is expressed. |
| Characteristics: | Extracellular Domain Protein |

Target Details

| | |
|-------------------|--|
| Target: | CCL16 |
| Alternative Name: | CCL16 (CCL16 Products) |
| Background: | C-C Motif Chemokine 16, Chemokine CC-4, HCC-4, Chemokine LEC, IL-10-Inducible Chemokine, LCC-1, Liver-Expressed Chemokine, Lymphocyte and Monocyte Chemoattractant, LMC, Monotactin-1, MTN-1, NCC-4, Small-Inducible Cytokine A16, CCL16, ILINCK, NCC4, SCYA16CCL16 is a member of CC chemokine family. CCL16 cDNA encodes a 120 amino acid peptide along with a 23 amino acids signal peptide that is cleaved to generate 97 amino acid protein. CCL16 is distantly related to other CC chemokines, showing less than 30 % sequence identity. CCL16 elicits its effects on cells by interacting with cell surface chemokine receptors such as CCR1, CCR2, CCR5 and CCR8. Recombinant CCL16 has been shown to chemoattract |

Target Details

human monocytes and THP1 cells but not resting lymphocytes nor neutrophils. CCL16 has potent myelosuppressive activity, suppresses proliferation of myeloid progenitor cells. CCL16 induces a calcium flux in THP1 cells that can be desensitized by prior exposure to RANTES, suggesting that CCL16 and RANTES share the same receptor in THP1 cells.

Molecular Weight: 11 KDa

UniProt: [O15467](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months