PRODUCT INFORMATION

Target	CCL16
Synonyms	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;SCYA16
Description	Recombinant Human C-C Motif Chemokine 16 is produced by our E.coli expression system and the target gene encoding Gln24-Gln120 is expressed.
Delivery	Under development
Uniprot ID	O15467
Expression Host	E.coli
Molecular Characterization	Not available
Molecular Weight	11 KDa
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	CCL16 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 human monocytes and THP1 cells but not resting lymphocytes nor neutrophils. CCL16 has potent myelosuppressive activity, suppresses proliferation of myeloid progenitor cells. CCL16ninduces 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.
Usage	Research use only
Conjugate	Unconjugated

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