

CCL16 Protein, Human, Recombinant (Yeast, His)

General Information

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| Synonyms: | CKb12;SCYL4;NCC-4;ILINCK;SCYA16;LMC;NCC4;LEC;LCC-1;HCC-4;Mtn-1 |
| Protein Construction: | A DNA sequence encoding human CCL16 (NP_004581.1) (Gln24-Gln120) was expressed with a polyhistidine tag at the C-terminus. |
| Species: | Human |
| Expression Host: | P. pastoris (Yeast) |
| Accession: | O15467 |
| Molecular Weight: | 12.6 kDa (predicted); 15 kDa (reducing condition) |

QC Testing

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| Biological Activity: | Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 95% as determined by SDS-PAGE |
| Endotoxin: | Please contact us for more information. |
| Formulation: | Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hardcopy of datasheet or the lot-specific COA. |

Preparation and Storage

Reconstitution:

Please refer to the lot-specific COA.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

CCL16, a chemokine poorly characterized at the functional level. Human CCL16 is a member of the CC family, and its gene maps to human chromosome 17q. In the mouse, only a pseudogene has been identified to date. CCL16 is a functional ligand for CCR1, CCR2, CCR5, and CCR8. Recombinant CCL16 demonstrated chemotactic activity on human monocytes and lymphocytes. Based on the ability of human chemokines to exert activity on and bind to

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murine receptors, the TSA mouse adenocarcinoma cell line was transfected with human CCL16 cDNA and, in comparison with other cytokines, was shown to be the faster inducer of systemic immune response due to massive, prompt infiltration of leukocytes. Cancer Immunotherapy Immune Checkpoint Immunotherapy Targeted Therapy

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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