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Datasheet for ABIN988141 CCL28 Protein

Overview

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| Quantity: | 1 mg |
| Target: | CCL28 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Biological Activity: | Active |

Product Details

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| Sequence: | SEAILPIASS CCTEVSHHIS RLLERVNMC RIQRADGDCD LAAVILHVKR RRICVSPHNH TVKQWMKVQA AKKNGKGNVC HRKKHHGKRN SNRAHQGKHE TYGHKTP |
| Characteristics: | Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human lymphocytes is less than 10 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^5$ IU/mg. |
| Purity: | > 97 % by SDS-PAGE and HPLC analyses. |
| Endotoxin Level: | Level Less than 1EU/ μ g of rHuMEC/CCL28 as determined by LAL method |

Target Details

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| Target: | CCL28 |
| Alternative Name: | MEC/CCL28 (CCL28 Products) |
| Background: | Human CCL28 (CC chemokine ligand 28) is a novel CC chemokine identified by TBLASTN searches of the Human Genome Systems (HGS) and Genbank dbEst database using a human chemokine consensus sequence. Human CCL28 cDNA encodes a 127 amino acid (aa) residue |

Target Details

precursor protein with a putative 22 aa residue signal peptide that is cleaved to produce the 105 aa residue mature protein. Human and mouse CCL28 are highly conserved, sharing 83% aa identity in their mature regions. Among CC chemokines, CCL28 shares the most homology with CCL27/CTACK. The mouse CCL28 gene has been mapped to the distal region of chromosome 13. Human and mouse CCL28 RNA expression was found to be highest in normal and pathologic colon with the protein being expressed by epithelial cells. Human CCL28 RNA was also present in normal and asthmatic lung tissues. The receptor for CCL28 has been identified as the CCR10 (GPR2 orphan receptor) which is also the receptor for CCL27/CTACK. Synonym: MEC/CCL28, Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 130mM NaCl.

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| Molecular Weight: | 12.3 kDa, a single non-glycosylated polypeptide chain containing 108 amino acids. |
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Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
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| Reconstitution: | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions. |
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| Storage: | 4 °C |
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