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32-1869: rCXCL17 Recombinant Protein

Alternative Name : Protein Cxcl17,Cxcl17,RGD1304717,C-X-C motif chemokine 17,VEGF co-regulated chemokine 1,Vcc1,VCC-1.

Description

Source : Escherichia Coli. CXCL17 Rat Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 97 amino acids and having a molecular mass of 11.5kDa.The CXCL17 is purified by proprietary chromatographic techniques. Dendritic cell and monocyte chemokinelike protein (DMC/CXCL17/VEGF-correlated chemokine 1/VCC1), is a secreted molecule with a size and predicted 3-dimensional folding pattern similar to that of chemokines CXCL8/IL8 and CXCL14/BRAK. CXCL17 is constitutively generated by airway and intestinal epithelium. CXCL17 induces the chemotaxis of quiescent, but not LPS-activated peripheral blood monocytes and dendritic cells, and it also binds these cells specifically. The expression of CXCL17 is increased in endothelial cells when they are induced to form tubes in vitro. CXCL17, CXCL1/GRO and CXCL8/IL8 which have roles in angiogenesis, show significantly correlated expression with that of VEGF in primary lung, breast and esophageal tumors. Therefore, CXCL17 is suggested to have a role in tumor angiogenesis. The mature Rat CXCL17 shares 82%, 71% amino acid sequence identity with mouse, human CXCL17, respectively.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	CXCL17 protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, 300mM NaCl, pH 7.4.
Storage condition :	Lyophilized CXCL17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL17 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	SPNQEVARHH GDQHQAPRRW LWEGGQECDC KDWSLRVSKR KTTAVLEPPR KQCPCDHVKG SEKKNRRQKH HRKSQRPSRT CQQFLKRCQL ASFTLPL.

Application Note

It is recommended to reconstitute the lyophilized CXCL17 in sterile 18M-cm H2O not less than 100Ã‚Âµg/ml, which can then be further diluted to other aqueous solutions. Measured by its ability to induce VEGF expression in mouse endothelial cells. The ED50 for this effect is typically 1-5 Ã‚Âµg/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.