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32-1871: mENA 78 Recombinant Protein

Alternative Name : C-X-C motif chemokine 5,Small-inducible cytokine B5,Cytokine LIX,Cxcl5,Scyb5,LIX,GCP-2,Scyb6,ENA-78,AMCF-II.

Description

Source : Escherichia Coli. Epithelial Neutrophil-Activating Protein 78 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 93 amino acids and having a molecular mass of 9.8kDa. The CXCL5 is purified by proprietary chromatographic techniques. Chemokine (C-X-C motif) ligand 5 (CXCL5) is a small cytokine belonging to the CXC chemokine family that is also known as epithelial-derived neutrophil-activating peptide 78 (ENA-78). It is produced following stimulation of cells with the inflammatory cytokines interleukin-1 or tumor necrosis factor-alpha. Expression of CXCL5 has also been observed in eosinophils, and can be inhibited with the type II interferon IFN-. This chemokine stimulates the chemotaxis of neutrophils possesses angiogenic properties. It elicits these effects by interacting with the cell surface chemokine receptor CXCR2. The gene for CXCL5 is encoded on four exons and is located on human chromosome 4 amongst several other CXC chemokine genes. CXCL5 has been implicated in connective tissue remodelling.

Product Info

Amount :	20 µg
Purification :	Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM sodium phosphate buffer, pH 7.4 & 150mM NaCl.
Storage condition :	Lyophilized ENA-78 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL5 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 :	APSSVIAATE LRCVCLTVTP KINPKLIANL EVIPAGPQCP TVEVIAKLKN QKEVCLDPEA PVIKKIIQK ILGSDKKKAK RNALAVERTA SVQ.

Application Note

It is recommended to reconstitute the lyophilized ENA-78 in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration range of 10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.

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