

RMCM078

Recombinant CXCL5 (C-X-C motif chemokine 5), Mouse , Ar



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5ug;20ug;100ug;500ug;

Synonym/Alternative name(s):

Epithelial Neutrophil Activating Peptide-78, ENA-78, AMCF, AMCF-II, Cxcl, Cxcl6, GCP-, GCP-2, L, LIX, Scyb, Scyb5, Scyb6

Activity:

Measure by its ability to chemoattract BaF3 cells transfected with human CXCR2.
The ED50 for this effect is <100 ng/mL.

Protein Description:

The protein encoded by this gene, 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). This chemokine is produced concomitantly with interleukin-8 (IL8) in response to stimulation with either interleukin-1 (IL1) or tumor necrosis factor-alpha (TNFA). It is observed that, CXCL5 also expresses in eosinophils, and can interact with the type II interferon IFN- γ , thereby cause an inhibition. This chemokine stimulates the chemotaxis of neutrophils possesses angiogenic properties, and elicits these effects by interacting with the cell surface chemokine receptor CXCR2.

Protein Accession : P50228.2

Gene ID : 20311

Expression Sequence:

VIAATELRVCLTVTPKINPKLIANLEVIPAGPQCPTVEVIAKLKNQKEVCLDPEAPVIKKIIQKILGSDKKKA with polyhistidine tag at the N-terminus.

Fusion tag : His-tag?at?the?N-terminus

Species : Mouse

Reactivity : Mouse

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

<0.1 EU per 1 μ g of the protein by the LAL method.

Calculated Molecular Weight : 8.92 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and Storage:

Lyophilized protein should be stored at -20°C for 1 year.

Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant mouse CXCL5