

Mouse recombinant CXCL5 (C-X-C motif chemokine 5) protein, AF

Catalog Number: PROTP50228-4

Overview

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| Product Name | Mouse recombinant CXCL5 (C-X-C motif chemokine 5) protein, AF |
| Description | C-X-C motif chemokine 5 (CXCL5) also named epithelial-derived neutrophil-activating peptide 78 (ENA-78), which is a chemokine of the intercrine alpha family. CXCL5 is a 8.2 kDa protein containing 74 amino acid residues. CXCL5 is stimulated by the IL-1 or TNFalpha during inflammation which produced by the eosinophils and CXCL5 is inhibited by the IFNgamma. CXCL5 promotes the formation of blood vessels and angiogenesis by binding the cell receptor CXCR2. |
| Size | 5ug,20ug,100ug |
| Tag | His Tag (N-term) |
| Form | Lyophilized |
| Source | Escherichia coli |
| Formulation | The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us. |

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. Avoid repeated freeze/thaw cycles.

Purity

>98% as determined by SDS-PAGE.

Molecular weight

The protein has a calculated MW of 10.62 kDa. The protein migrates below 15-17 kDa under reducing condition (SDS-PAGE analysis).

Activity

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

Endotoxin

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

Amino Acid Sequence

VIAATELRCVCLTVTPKINPKLIANLEVIPAGPQCPTVEVIAKLNQKEVCLDPEAPVIKKIIQKILGSDKKKA with polyhistidine tag at the N-terminus.

Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex!

Vigorous shaking may impair the biological activity of the protein.

Usage

Boster's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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