

Human recombinant CXCL2 (C-X-C motif chemokine 2) protein, AF

Catalog Number: PROTP19875-4

Overview

Product Name	Human recombinant CXCL2 (C-X-C motif chemokine 2) protein, AF
Description	C-X-C motif chemokine 2 (CXCL2) also named Growth-regulated oncogene beta (GRObeta), which is a chemokine of the intercrine alpha family. CXCL2 is a 8 kDa protein containing 73 amino acid residues. CXCL2 is expressed in immune cells such as macrophages and monocytes. CXCL2 plays an important role with immune responses and cancer progression. CXCL2 activates the cell signal transduction with casepas1 that affect the cell proliferation, differentiation and migration.
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 8.70 kDa. The protein migrates as 12 kDa under reducing condition (SDS-PAGE analysis).

Activity

Measure by its ability to chemoattract human PBMCs using a concentration range of 10.0 - 100.0 ng/mL. Note: Results may vary from different PBMC donors.

Endotoxin

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

Amino Acid Sequence

APLATELRCQCLQTLQGIHLKNIQSVKVKSPGPHCAQTEVIATLKNQKACLNPASPMVKKIIEKMLKNGKSN 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 ug/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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