

Swine recombinant CXCL13 (C-X-C motif chemokine 13) protein, AF

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Overview

Product Name	Swine recombinant CXCL13 (C-X-C motif chemokine 13) protein, AF
Description	C-X-C motif chemokine 13 (CXCL13) also named B lymphocyte chemoattractant (BLC), which is a chemokine of the intercrine alpha family. CXCL13 is a 9.8kDa protein containing 88 amino acid residues. CXCL13 is a chemotaxis for B lymphocyte. CXCL13 induces the cell proliferation through the AKT signal pathway which plays a key role in intestinal cancer model. CXCL13/CXCR5 axis is highly expressed in gut, spleen and lymph nodes.
Size	5ug, 20ug
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 10.81 kDa. The protein migrates about 11 kDa under reducing condition (SDS-PAGE analysis).

Activity

Testing in process

Endotoxin

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

Amino Acid Sequence

VLETNDTNLKCQCLRSTSNWVPIRLIEKIQIWPPGNGCPTREVIVWMTNKTACLNPQSKLLQKLINLMWRKKTSTLPAPVSKKSIA 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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For Research Use Only. Not for use in diagnostic procedures.