**Canine XCL1 Protein (His Tag)**

*Catalog Number: 70096-D08B*

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### General Information

**Gene Name Synonym:**

XCL1

**Protein Construction:**

A DNA sequence encoding the canine XCL1 (XP_547477.2) (Met1-Thr112) was expressed with a C-terminal polyhistidine tag.

**Source:**

Canine

**Expression Host:**

Baculovirus-Insect Cells

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### QC Testing

**Purity:**

> 90 % as determined by SDS-PAGE

**Endotoxin:**

< 1.0 EU per μg of the protein as determined by the LAL method

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### Molecular Mass

The recombinant canine XCL1 comprises 98 amino acids and has a predicted molecular mass of 11.3 kDa. The apparent molecular mass of the protein is approximately 18-23 kDa in SDS-PAGE under reducing conditions due to glycosylation.

**Formulation:**

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

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### Usage Guide

**Storage:**

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

**Reconstitution:**

Detailed reconstitution instructions are sent along with the products.

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### SDS-PAGE:

![SDS-PAGE Image]

**Protein Description**

This antimicrobial gene encodes a member of the chemokine superfamily. Chemokines function in inflammatory and immunological responses, inducing leukocyte migration and activation. The encoded protein is a member of the C-chemokine subfamily, retaining only two of four cysteines conserved in other chemokines, and is thought to be specifically chemotactic for T cells. This gene and a closely related family member are located on the long arm of chromosome 1.

### References