

Recombinant Feline CD40 ligand (CD40LG)

Cat. No.: AP2C170

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

Product Overview

BioVenic's Recombinant Feline CD40 ligand (CD40LG) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 28.7 kDa. The purity is >85% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Feline
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	28.7 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

Target Information

In felines, CD40 Ligand (CD40LG) is an important immune-regulatory protein that belongs to the tumor necrosis factor superfamily. It is primarily expressed on activated T cells and interacts with CD40 on antigen-presenting cells (APCs) to activate B cells, dendritic cells, and macrophages, promoting immune responses. CD40LG plays a key role in B cell maturation, immunoglobulin class switching, and affinity maturation. Additionally, it regulates inflammatory responses and immune cell proliferation. Abnormal expression of CD40LG may be associated with immune deficiencies and autoimmune diseases in cats.

Protein	Feline CD40 ligand (CD40LG)
Protein Synonym	CD40LG; CD40L; TNFSF5; CD40 ligand; CD40-L
Gene ID	493850
UniProt ID	Q97605

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.