

# Canine IL-33 recombinant protein



Catalog Number: 501440

## General Information

### Gene Name Synonym

Protein DVS27

### Protein Construction

A DNA sequence encoding the mature form of canine IL33 (O97863) (Ser 110-Ser 263) was expressed, with an initial Met at the N-terminus.

### Organism

Canine

### Expression Host

E. coli

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Canine IL33 (Cat:501440) at 10 µg/ml (100 µl/well) can bind human IL1R4-Fc (Cat:502791), The EC<sub>50</sub> of human IL1R4-Fc (Cat:502791) is 0.25-0.66 µg/ml.
2. Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells costimulated with antiCD3. The ED<sub>50</sub> for this effect is typically 10-40 ng/mL.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant canine IL33 consists of 155 amino acids and has a calculated molecular mass of 17.8 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19KDa band.

### Formulation

- Lyophilized from sterile 5mM EDTA, PBS, pH 7.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

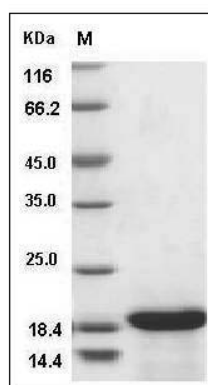
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Canine IL33 / Interleukin-33 / NF-HEV Protein  
SDS-PAGE