Canine Carbonic Anhydrase IX/CA9 (Fc Tag) recombinant protein

Catalog Number: 504691

General Information

Protein Construction

A DNA sequence encoding the canine CA9 (Met1-Leu410) was expressed, fused with the Fc region of human IgG1 at the C-terminus.

Organism

Canine

Expression Host

Human Cells

QC Testing

Activity

Measured by its esterase activity.
The specific activity is > 10 pmoles/min/μg.

Purity

> 99 % as determined by SDS-PAGE

Endotoxin

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

Stability

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

Predicted N terminal

Gln 38

Molecular Mass

The recombinant canine CA9/Fc is a disulfide-linked homodimer. The reduced monomer comprises 614 amino acids and has a predicted molecular mass of 67.6 kDa. The apparent molecular mass of the protein is approximately 79 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 25mM Tris, 0.15 M NaCl, 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

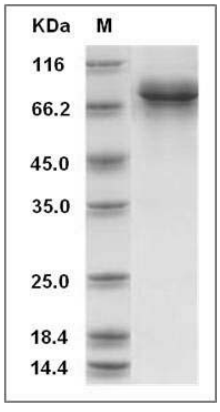
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 Carbonic Anhydrase IX / CA9 Protein (Fc Tag) SDS-PAGE