

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



Catalog Number: 501853

General Information

Protein Construction

A DNA sequence encoding the canine CA9 (NP_001138646.1) (Met1-Leu410) was expressed with a C-terminal polyhistidine tag.

Organism

Canine

Expression Host

Human Cells

QC Testing

Activity

Measured by its esterase activity.
The specific activity is >100 pmoles/min/μg.

Purity

> 85 % 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°C

Predicted N terminal

Gln 38

Molecular Mass

The recombinant canine CA9 comprises 384 amino acids and has a predicted molecular mass of 42.1 kDa. The apparent molecular mass of the protein is approximately 50 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

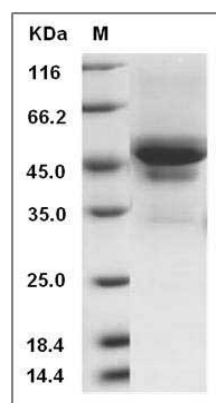
Storage

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 Carbonic Anhydrase IX / CA9 Protein (His Tag) SDS-PAGE