Canine Ephrin-A5/EFNA5 (Fc Tag) recombinant protein

Catalog Number: 504809

General Information

Protein Construction

A DNA sequence encoding the canine EFNA5 (XP_850582.2) (Met1-Asn203) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Canine

Expression Host

Human Cells

QC Testing

Activity

Immobilized human EPHA3-His (Cat:504736) at 10 μg/ml (100 μl/well) can bind canine EFNA5-Fc, The EC_{50} of canine EFNA5-Fc is 11.5-26.7 ng/ml.

Purity

> 95 % 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 21

Molecular Mass

The recombinant canine EFNA5/Fc is a disulfide-linked homodimer. The reduced monomer comprises 424 amino acids and has a predicted molecular mass of 48.2 kDa. The apparent molecular mass of the protein is approximately 55-60 kDa in SDS-PAGE under reducing conditions.

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

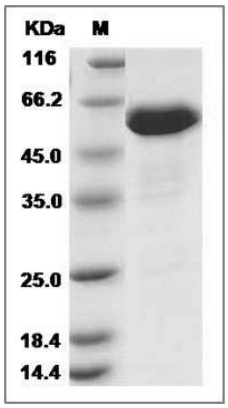
Storage

Store it under sterile conditions at -20℃ 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 Ephrin-A5 / EFNA5 Protein (Fc Tag) SDS-PAGE