Canine Ephrin-B2 (Fc Tag) recombinant protein

Catalog Number: 500941

General Information

Protein Construction

A DNA sequence encoding the canine EFNB2 (B0LDS6) (Met1-Ala229) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Canine

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human EphB4-His (Cat:502026) at 10μg/mL (100μL/well) can bind canine EFNB2-Fc3.
The EC_{50} of canine EFNB2-Fc3 is 25.8-60.2 ng/mL.

Purity

(93.5+2.7) % 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

Ile 28

Molecular Mass

The recombinant canine EFNB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 443 amino acids and has a predicted molecular mass of 49.2 kDa. The apparent molecular mass of the protein is approximately 58 and 35 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

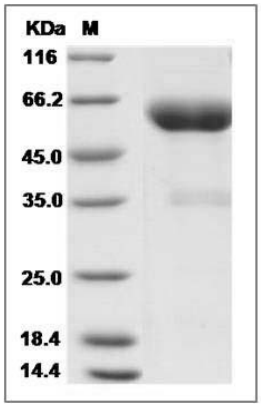
Storage

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-B2 / EFNB2 Protein (Fc Tag) SDS-PAGE