

Active Recombinant Canine EFNB2 protein(Met1-Ala229), hFc-tagged

Cat. No. EFNB2-297C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine EFNB2 (B0LDS6) (Met1-Ala229) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Canine
Source	HEK293
ProteinLength	Met1-Ala229
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized human EphB4-His at 10µg/mL (100µL/well) can bind Canine EFNB2-Fc3. The EC50 of Canine EFNB2-Fc3 is 25.8-60.2 ng/mL.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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