

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

Cat. No. EFNB2-3376C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine EFNB2 (NP_001107768.1) (Met1-Ala229) was expressed in HEK293 with a C-terminal polyhistidine tag.
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	Measured by its binding ability in a functional ELISA. Immobilized canine EFNB2-His at 10 µg/ml (100 µl /well) can bind human EphB4-Fc, The EC50 of human EphB4-Fc is 9-20 ng/ml.
Molecular Mass	The recombinant canine EFNB2 comprises 213 amino acids and has a predicted molecular mass of 23.6 kDa. The apparent molecular mass of the protein is approximately 33-38 kDa in SDS-PAGE under reducing conditions due to glycosylation.
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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