Recombinant Canine NRG1 protein(Ser176-Lys240), mFc-tagged

Cat. No. NRG1-2386C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine NRG1 (XP_858147.1) EGF-like domain (Ser176-Lys240) was expressed in HEK293 with the Fc region of Mouse IgG1 at the N-terminus.
Species	Canine
Source	HEK293
ProteinLength	Ser176-Lys240
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 in a serum-free cell proliferation assay using MCF-7 human breast cancer cells. The ED50 for this effect is typically 0.1-1 μg/mL.
Molecular Mass	The recombinant canine NRG1 is a disulfide-linked homodimer. The reduced monomer comprises 301 amino acids and has a predicted molecular mass of 34 kDa. The apparent molecular mass of the protein is approximately 37 and 34 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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