

Recombinant Canine NRG1 protein(Ser19-Lys240), hFc-tagged

Cat. No. NRG1-2342C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Canine NRG1 (XP_858147.1)(Ser19-Lys240) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Canine
Source	HEK293
ProteinLength	Ser19-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 2-12 µg/mL.
Molecular Mass	The recombinant canine NRG1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 460 amino acids and has a predicted molecular mass of 50.8 kDa. The apparent molecular mass of the protein is approximately 67 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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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