

Recombinant Canine NRG1, Fc tagged

Cat. No. NRG1-172C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine NRG1 isoform alpha (XP_858147.1) (Ser176-Lys240), fused with the Fc region of mouse IgG1 at the N-terminus, was produced in Human Cells.
Species	Canine
Source	Human Cells
ProteinLength	176-240 a.a.
Predicted N Terminal	Asp
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
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 c
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	(92.0±7.0) % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.

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Storage

Store it under sterile conditions at -20oC~-70oC. 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. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION**Gene Name**

NRG1 neuregulin 1 [*Canis lupus familiaris* (dog)]

Official Symbol

NRG1

Gene ID

482861

mRNA Refseq

XM_852768

Protein Refseq

XP_857861

**Chromosome
Location**

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