

## Recombinant Canine NRG1, Fc tagged

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

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | 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.                                                                                                     |
| <b>Species</b>              | Canine                                                                                                                                                                                                                                                          |
| <b>Source</b>               | Human Cells                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>        | 176-240 a.a.                                                                                                                                                                                                                                                    |
| <b>Predicted N Terminal</b> | Asp                                                                                                                                                                                                                                                             |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.                                                                                                                                 |
| <b>Molecular Mass</b>       | 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 |
| <b>Endotoxin</b>            | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                                                                                                 |
| <b>Purity</b>               | (92.0±7.0) % as determined by SDS-PAGE                                                                                                                                                                                                                          |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70oC.                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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**

16

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA