

Recombinant Canine NRG1, His tagged

Cat. No. NRG1-171C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Canine NRG1 isoform alpha (XP_858147.1) (Ser19-Lys240), fused with a C-terminal polyhistidine tag, was produced in Human Cells.
Species	Canine
Source	Human Cells
ProteinLength	19-240 a.a.
Predicted N Terminal	Ser 19
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 comprises 233 amino acids and has a predicted molecular mass of 25.5 kDa. The apparent molecular mass of the protein is approximately 39-46 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	>90 % as determined by SDS-PAGE
Stability	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  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

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