Recombinant Cattle NGF Protein, His-tagged

Cat. No. NGF-1157C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle NGF Protein (Ser122-Ala241) with His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Ser122-Ala241
Description	This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.1 kDa; Accurate Molecular Mass: 16 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

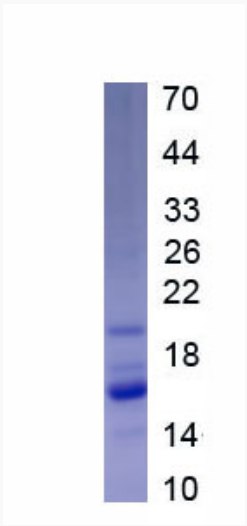
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	NGF nerve growth factor [Bos taurus (cattle)]
Official Symbol	NGF
Synonyms	NGF; nerve growth factor; NGFB; beta-nerve growth factor; beta-NGF; nerve growth factor, beta polypeptide
Gene ID	281350
mRNA Refseq	NM_001099362
Protein Refseq	NP_001092832
UniProt ID	P13600

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