

Recombinant Rat Ntf3 Protein, His-tagged

Cat. No. Ntf3-1869R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ntf3 Protein (Thr130-Gly256) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr130-Gly256
Description	Enables nerve growth factor binding activity. Involved in modulation of chemical synaptic transmission; nervous system development; and response to immobilization stress. Predicted to be located in cytoplasmic vesicle. Predicted to be active in several cellular components, including axon; dendrite; and synaptic vesicle. Biomarker of status epilepticus. Human ortholog(s) of this gene implicated in Alzheimer's disease and asthma. Orthologous to human NTF3 (neurotrophin 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.9 kDa Accurate Molecular Mass: 18 kDa
Purity	> 90%
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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.

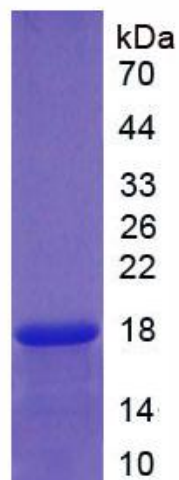
GENE INFORMATION

Gene Name	Ntf3 neurotrophin 3 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Ntf3
Synonyms	Ntf3; neurotrophin 3; Nt3; HDNF; NGF-2; Ntf-3; AI316846; AI835689; neurotrophin-3; nerve growth factor 2; neurotrophic factor; NT-3; neurotrophin-3 (HDNF/NT-3)
Gene ID	81737
mRNA Refseq	NM_031073
Protein Refseq	NP_112335
UniProt ID	P18280

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