
Product Data Sheet

Product Name: NRN1 Human, His

Cat. No.: GP20777

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Neuritin 1; NRN1; NRN; dj380B8.2; Neuritin.		
Amino Acid Sequence	MKHHHHHHASAGKCDVFKG FSDCLLKLGD SMANYPQGLD DKTNIKTVCT YWEDFHSTV TALTDCQEGA KDMWDKLRKE SKNLNIQGSF FELCGSGNG.		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. NRN1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	NRN1 was filtered (0.4 μ m) and lyophilized in 20mM Tris buffer, 50mM NaCl, pH 8.0, 1% (w/v) Sucrose and 4% (w/v) Mannitol.		

Introduction

Neuritin (NRN1) is a neurotrophic factor, which is expressed in response to induction of neuronal activity by NGF, BDNF, NT3 and other neural stimulators. NRN1 is expressed principally in postmitotic-differentiating neurons of the developing nervous system and in neuronal structures related to synaptic plasticity in the adult nervous system. NRN1 functions as a molecular mediator of neurite outgrowth, neuronal survival, and synaptic maturation.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.

Background

Neuritin-1 Human Recombinant produced in E.Coli is a single, non-glycosylated,

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polypeptide chain (Ala28-Gly116) containing 99 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 11.02kDa.

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