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Datasheet for ABIN1945372

**NRN1 Protein (AA 28-116) (His tag)**

## Overview

Quantity:	50 µg
Target:	NRN1
Protein Characteristics:	AA 28-116
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NRN1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Neuritin/NRN1 (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MAGKCDVFK GFSDCLLKLK DSMANYPQGL DDKTNIKTVC TYWEDFHST VTALDTCQEG AKDMWDKLRK ESKNLNIQGS LFELCGSGNG
Characteristics:	Recombinant Human Neuritin is produced with our E. coli expression system. The target protein is expressed with sequence (AA 28-116) of Human NRN1.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	NRN1
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## Target Details

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Alternative Name: Neuritin ([NRN1 Products](#))

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Background: Neuritin/NRN1 is a member of the neuritin family and can be expressed in postmitotic-differentiating neurons of the developmental nervous system and neuronal structures associated with plasticity in the adult. Neuritin/NRN1 promotes neurite outgrowth, *arborization and neuritogenesis. The protein contains a consensus cleavage signal found in glycosylphosphatidylinositol (GPI)-anchored proteins. Overexpression of the encoded protein may be associated with astrocytoma progression.*

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Molecular Weight: 12.1 kDa

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UniProt: [Q9NPD7](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.  
Dissolve the lyophilized protein in ddH<sub>2</sub>O.  
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

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Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

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Storage: 4 °C/-20 °C/-80 °C

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Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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