

#### **Recombinant Human Neuritin**

Catalog # PBG10329

### **Specification**

# **Recombinant Human Neuritin - Product Information**

#### Recombinant Human Neuritin - Additional Information

# **Description**

Neuritin is a neurotrophic factor, which is expressed in response to induction of neuronal activity by NGF, BDNF, NT3, and other neural stimulators. It is expressed primarily in postmitotic-differentiating neurons of the developing nervous system and in neuronal structures related to synaptic plasticity in the adult nervous system. Neuritin acts as a molecular mediator of neurite outgrowth, neuronal survival, and synaptic maturation. Recombinant human Neuritin is a covalently disulfide-linked homodimer, consisting of two 9.72 kDa polypeptide monomers, each containing 88 amino acid residues.

## **Biological**Activity

Determined by a cell proliferation using rat C6 cells. The <strong>ED</strong><sub>50</sub> for this effect is 20.0-30.0 ng/ml.

### **Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

### **Endotoxin**

Endotoxin level is  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

## **Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

### **Storage**

-20°C

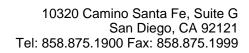
## **Precautions**

Recombinant Human Neuritin is for research use only and not for use in diagnostic or therapeutic procedures.

#### **Recombinant Human Neuritin - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety





• <u>Cell Culture</u> **Recombinant Human Neuritin - Images**