

## Recombinant Human NRN1, His-tagged

**Cat. No.** NRN1-28261TH    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant full length protein, corresponding to amino acids 28-115 of mature Human Neurtin. This protein is a covalently disulfide-linked homodimer, consisting of two 9.7 kDa polypeptide monomers, each containing 88 amino acid residues.

**Species**                      Human

**Source**                        E.coli

**Protein Length**            28-115 a.a.


**Description**                This gene is expressed in postmitotic-differentiating neurons of the developmental nervous system and neuronal structures associated with plasticity in the adult. The expression of this gene can be induced by neural activity and neurotrophins. The encoded protein contains a consensus cleavage signal found in glycosylphosphatidylinositol (GPI)-anchored proteins. In vitro assays demonstrated that this protein promotes neurite outgrowth and arborization, suggesting its role in promoting neuritogenesis.

**Conjugation**                HIS

**Form**                            Lyophilised: Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA)

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<b>Purity</b>	>95% by SDS-PAGE
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	M-AGKCDAVFK GFSDCLLKLG DSMANYPQGL DDKTNIKTVC TYWEDFHSCT VTALTDCQEG AKDMWDKLRK ESKNLNIQGS LFELCGSGN
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	NRN1 neuritin 1 [ Homo sapiens ]
<b>Official Symbol</b>	NRN1
<b>Synonyms</b>	NRN1; neuritin 1; neuritin; NRN;
<b>Gene ID</b>	51299
<b>mRNA Refseq</b>	NM_016588
<b>Protein Refseq</b>	NP_057672
<b>MIM</b>	607409
<b>Uniprot ID</b>	Q9NPD7
<b>Chromosome Location</b>	6p25.1

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