

## 32-1626: NRN1 His Recombinant Protein

**Alternative Name :** Neuritin 1,NRN1,NRN,dj380B8.2,Neuritin.

### Description

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

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE
<b>Content :</b>	NRN1 was filtered (0.4µm) and lyophilized in 20mM Tris buffer, 50mM NaCl, pH 8.0, 1% (w/v) Sucrose and 4% (w/v) Mannitol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MKHHHHHHASAGKCDVFKG FSDCLLGLD SMANYPQLD DKTNIKTVCT YWEDFHSTV TALDCQEGA KDMWDKLRKE SKNLNIQGSF FELCGSGNG.

### Application Note

It is recommended to add 200µl of 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.