

## PRODUCT INFORMATION

**Neurturin, Mouse**

v. 231101

<b>Catalog number</b>	C02091-5UG / C02091-20UG / C02091-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	Neurturin (NRTN) is a protein which belongs to the glial cell-line derived neurotrophic factor (GDNF) family of neurotrophic factors, regulate the survival and function of neurons. Neurturin had been shown to promote the survival of a variety of neurons including sympathetic, sensory, and central nervous system neurons. Neurturin is expressed in both neuronal and non-neuronal tissues. It may play a role in regulating the development and maintenance of the central and peripheral nervous systems and as well as non-neuronal systems.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	PGARPCGLRELEVRVSELGLGYTSDETVLFYRCAGACEAAIRIYDLGLRRLRQR RRVRRERARAHPCCRPTAYEDEVSFLDVHSRYHTLQELSARECACV with polyhistidine tag at the N-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce proliferation in SH-SY5Y cells. The ED <sub>50</sub> for this effect is <50 ng/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	This product is stable after storage at: <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant mouse Neurturin

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