

Neurturin, Human

v. 231001

Catalog number	C01153-5UG / C01153-20UG / C01153-100UG
Package	5 µg / 20 µg / 100 µg
Description	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.
Source	<i>Escherichia coli</i>
Sequence	MARLGARPCGLRELEVRVSELGLGYASDETVLFRYCAGACEAAARVYDLGLRR LRQRRRLRRERVRAQPCRPTAYEDEVSFLDAHSRYHTVHELARECACV with polyhistidine tag at the C-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce proliferation in SH-SY5Y cells. The ED ₅₀ for this effect is <50 ng/mL.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ 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.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> • -20°C for 12 months in lyophilized state from date of receipt. • -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human Neurturin

For research use only.