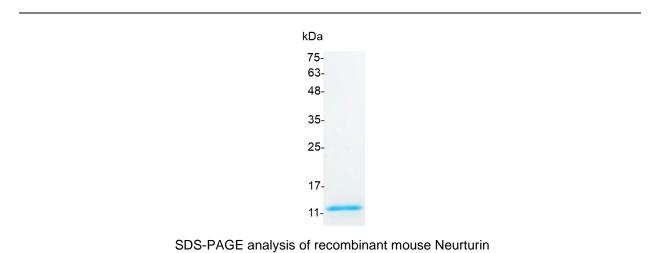


Neurturin, Mouse

v. 231101

Catalog number	C02091-5UG / C02091-20UG / C02091-100UG
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	Escherichia coli
Sequence	PGARPCGLRELEVRVSELGLGYTSDETVLFRYCAGACEAAIRIYDLGLRRLRQR RRVRRERARAHPCCRPTAYEDEVSFLDVHSRYHTLQELSARECACV with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 μ g 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 μ m filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 μ g/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: -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.





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