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Product datasheet for TP728367S

Recombinant Neurturin, Mouse

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Neurturin, Mouse
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	PGARPCGLRELEVRVSELGLGYTSDETVLFRYCAGACEAAIRIYDLGLRRLRQRRRVRRERARAHPCCRPTAY EDEVSFLDVHSRYHTLQELSARECACV with polyhistidine tag at the N-terminus.
Tag:	His Tag (N-term)
Predicted MW:	The protein has a calculated MW of 12.33 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).
Purity:	>98% as determined by SDS-PAGE.
Buffer:	The protein was lyophilized from a 0.2 μm filtered solution containing 1X PBS, pH 7.4.
Bioactivity:	Measure by its ability to induce proliferation in SH-SY5Y cells. The ED_{50} for this effect is <50 ng/mL.
Endotoxin:	<0.1 EU per 1 μg of the protein by the LAL method.
Reconstitution Method:	Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 100 μg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.
Applications:	Cell culture
Storage:	Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.
UniProt ID:	P97463
Synonyms:	NTN, NRTN

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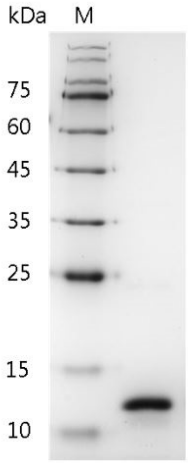
Summary: Neurturin is a 22 kDa cytokine with 195 amino acid residues. Neurturin belongs to the same neurotrophic factor family as GDNF. Binding to GFRα-2 (GPI-linked receptor termed GDNF family receptor α-2), neurturin activates Ret receptor tyrosine kinase and MAPK pathway. It involves in neuron survival.

Product images:



SDS- PAGE analysis of recombinant mouse Neurturin