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32-20521: Recombinant Human Neurturin(Discontinued)

Reactivity : Human, Mouse, Rat
Alternative Name : NTN, NRTN

Description

Source:E.coli Neurturin is a disulfide-linked homodimer neurotrophic factor structurally related to GDNF, artemin, and persephin.Â These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures.Â Neurturin signals through a multicomponent receptor system, composed of RET and one of four GFRAlpha (Alpha 1-Alpha 4) receptors.Â Neurturin promotes the development and survival of sympathetic and sensory neurons by signaling through a receptor system composed of RET and GFRAlpha 2.Â The functional form of human neurturin is a disulfide-linked homodimer, of two 11.8 kDa polypeptide monomers (204 total amino acid residues).Â Each monomer contains seven conserved cysteine residues, one of which (Cys 69) is used for inter-chain disulfide bridging, and the others are involved in the intramolecular ring formation known as the cysteine-knot configuration.

Product Info

Amount : 5 µg / 20 µg
Purification : Purity:>= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : ARLGARPCGL RELEVRVSEL GLGYASDETV LFRYCAGACE AAARVYDLGL RRLRQRRRLR RERVRAQPCC RPTAYEDEVS FLDAHSRYHT VHELSARECA CV

Application Note

Human Neurturin at a concentration of 100 ng/ml will support the survival of 65% of newborn rat sympathetic neurons.