

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. These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. Neurturin signals through a multicomponent receptor system, composed of RET and one of four GFRA α (Alpha 1-Alpha 4) receptors. Neurturin promotes the development and survival of sympathetic and sensory neurons by signaling through a receptor system composed of RET and GFRA α 2. The functional form of human neurturin is a disulfide-linked homodimer, of two 11.8 kDa polypeptide monomers (204 total amino acid residues). 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 μ g / 20 μ g

Purification : Purity: \geq 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : ARLGARPCGL RELEVRVSEL GLGYASDETV LFRYAGACE AAARVYDLGL RRLRQRRRLR RERVRAQPCC
RPTAYEDEVSLFLDAHSRYHT VHELARECA CV

Application Note

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