

NTS, 24-170aa, Human, His tag, E.coli

Cat.NO.: TP03216

3th Edition

Synonyms:Neurotensin, neuromedin N, NMN-125, NN, NT, NT/N, NTS1

Description:Neurotensin, also known as NTS, is a common precursor for two peptides, neuromedin N and neurotensin. Neurotensin is a secreted tridecapeptide, which is widely distributed throughout the central nervous system, and may function as a neurotransmitter or a neuromodulator. It may be involved in dopamine-associated pathophysiological events, in the maintenance of gut structure and function, and in the regulation of fat metabolism. Tissue-specific processing may lead to the formation in some tissues of larger forms of neuromedin N and neurotensin. The large forms may represent more stable peptides that are also biologically active. Recombinant human NTS protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Molecular Weight:19.9 kDa (172aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSDSEEEMKALEADFLTNMHTSKISKAHVPSWKMTLLNVCSLVNNLNSPA
EETGEVHEEELVARRKLPALDGFSLAEMLTIIYQLHKICHSRAFQHWELIQEDILDGTGNDKNGKEEVIKRRKIPYILKRQ
LYENKPRRPYILKRDSYYY

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.