

NTS Human

Description:NTS Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 172 amino acids (24-170 a.a.) and having a molecular mass of 19.9kDa.NTS is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1318

For research use only.

Synonyms:NTS, Neurotensin, NT/N, NMN-125, NTS1, NN, Neurotensin/Neuromedin N, NT.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMSDSEE EMKALEADFL
TNMHTSKISK AHVPSWKMTL LNVCSLVNNL NSPAEETGEV HEEELVARRK LPTALDGFSL
EAMLTIIQLH KICHSRAFQH WELIQEDILD TGNDKNGKEE VIKRKIPYIL KRQLYENKPR
RPYILKRDSY YY.

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

NTS protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Neurotensin (NTS) is a common precursor for 2 peptides, neuromedin N and neurotensin. Neurotensin is a secreted tridecapeptide, which is generally distributed throughout the central nervous system, and may serve as a neurotransmitter or a neuromodulator. NTS is 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 initiate the formation in some tissues of larger forms of neuromedin N and neurotensin. The large forms may embody more stable peptides which are also biologically active.

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