
Product Data Sheet

Product Name: NTS Human, sf9
 Cat. No.: GP24073
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Neurotensin/neuromedin N; NTS; Neuromedin N; NN; NmN; NT; NmN-125.		
Amino Acid Sequence	ADPSDSEEEM KALEADFLTN MHTSKISKAH VPSWKMTLLN VCSLVNNLNS PAEETGEVHE EELVARRKLP TALDGFSLEA MLTIYQLHKI CHSRAFQHWE LIQEDILDTG NDKNGKEEVI KRKIPYILHH HHHH.		
Formulation	NTS protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

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.

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.

Background

NTS Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 134 amino acids (24-148) and having a molecular mass of

Caution: Product has not been fully validated for medical applications. For research use only.

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15.4kDa (Molecular size on SDS-PAGE will appear at approximately 13.5-18kDa).NTS is fused to 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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