

Product information



NTS, 24-170aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1846

Full name: Neurotensin, neuromedin N

NCBI Accession No.: NP_006174

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

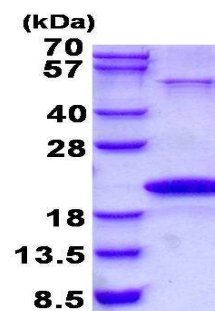
Description: Neurotensin, also known as NTS, is a common precursor for two peptides, neuromedin N and neurotensin. Neurotensin is a secreted tridecapeptide, which is widely distributed throughout the central nervous system, and may function as a neurotransmitter or a neuromodulator. It may be involved 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)

Purity: > 90% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSHMSDSEE EMKALEADFL TNMHTSKISK AHVPSWKMTL LNVCSLVNNL NSPAEETGEV HEEELVARRK
LPTALDGFSL EAMLTIIQLH KICHSRAFAQH WELIQEDILD TGNDKNGKEE VIKRKIPYIL KRQLYENKPR RPYILKRDSY YY

General references:

Bean A.J., *et al.* (1992) *Neuroscience*. 50:259-268

Quistgaard E.M., *et al.* (2009) *Nat. Struct. Mol. Biol.* 16:96-98

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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