

Recombinant Human NTS Protein, His-tagged

Cat. No. NTS-2515H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NTS Protein (Ser24-Leu148) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser24-Leu148
Description	This gene encodes 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. Neurotensin also exhibits antimicrobial activity against bacteria and fungi. 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18 kDa Accurate Molecular Mass: 20 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	NTS neurotensin [Homo sapiens (human)]
Official Symbol	NTS
Synonyms	NTS; neurotensin; neurotensin/neuromedin N; neuromedin N; NN; NT; NT/N; NTS1; NMN-125;
Gene ID	4922
mRNA Refseq	NM_006183
Protein Refseq	NP_006174

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MIM	162650
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UniProt ID	P30990
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