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# Recombinant human NTS protein

Catalog Number: ATGP3482

#### PRODUCT INFORMATION

## **Expression system**

Baculovirus

#### **Domain**

24-148aa

#### UniProt No.

P30990

#### **NCBI Accession No.**

NP 006174

#### **Alternative Names**

Neurotensin/neuromedin N, NTS, NMN-125, NN, NT, NT/N, NTS1

## PRODUCT SPECIFICATION

#### **Molecular Weight**

15.4 kDa (134aa)

#### Concentration

1mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### **BACKGROUND**

#### **Description**

NTS, as known as neurotensin/neuromedin N preproprotein, 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



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activity against bacteria and fungi. Recombinant human NTS, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

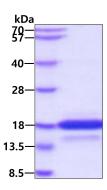
<ADP>SDSEEEM KALEADFLTN MHTSKISKAH VPSWKMTLLN VCSLVNNLNS PAEETGEVHE EELVARRKLP TALDGFSLEA MLTIYQLHKI CHSRAFQHWE LIQEDILDTG NDKNGKEEVI KRKIPYIL

#### **General References**

Butler MG., et al, (2015) Am. J. Med. Genet. A. 167A:1773-1778. Younes M., et al, (2014) Oncotarget. 5:8252-8269.

#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

