

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

ADPSDSEEEM KALEADFLTN MHTSKISKAH VPSWKMTLLN VCSLVNNLNS PAEETGEVHE EELVARRKLP TALDGFSLEA
MLTIYQLHKI CHSRAFQHWE LIQEDILDTG NDKNGKEEVI KRKIPYILHH HHHH

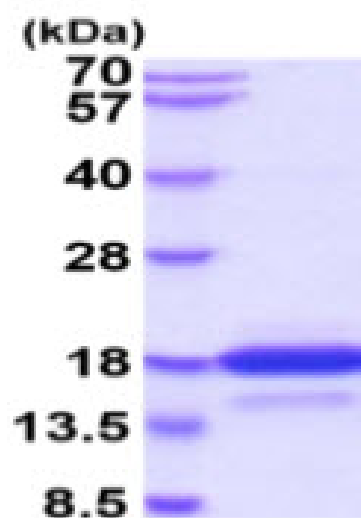
General References

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



15% SDS-PAGE (3ug)

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