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

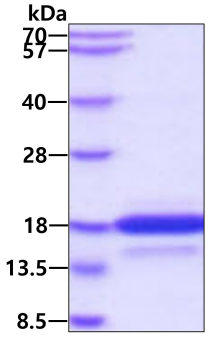
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General References

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.