

Product datasheet for MR226576

Nts (NM_024435) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nts (NM_024435) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nts
Synonyms: 5033428E16Rik; NMN-125; NN; NT; NT/N; NTS1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR226576 representing NM_024435
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGGAATGAATCTCCAGCTGGTGTGCCTGACTCTCCTGGCTTTCAGCTCCTGGAGTCTGTGCTCAG
ATTCAGAAGAAGATGTGAGAGCCCTGGAGGCAGATCTATTGACAAACATGCATACATCCAAGATCAGCAA
AGCAAGTCTCCGTCTTGAAAAATGACCTTGCTAAATGTTTGACGCTCATAAATAACGTGAACAGCCCG
GCCGAGGAAGCAGGAGACATGCATGATGACGACCTTGTGGCAAAGGAACTTCCCTTGTCTGGATG
GTTTTAGCTTGAAGCAATGCTGACCATCTCCAGCTCCAGAAAATCTGCCGCAGCAGGGCCTTTCAACA
CTGGGAGATAATCCAGGAAGATATCCTTGATAACGTCAATGATAAAAACGAGAAGGAAGAAGTGATAAAG
AGAAAAATCCCTTATATTCTGAAAAGGCAGCTGTATGAAAATAAACCCAGAAGGCCCTACATTCTCAAGA
GGGTTCTACTACTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226576 representing NM_024435
Red=Cloning site Green=Tags(s)

MRGMNLQLVCLLLAFSSWSLCSSEEDVRALEADLLTNMHTSKISKASPPSWKMTLLNVCSLINNVS
AEEAGDMHDDL VGKRKLPVLDFGFSLEAMLTIFQLQKICRSRAFQHWI IQEDILDNVNDKNEKEEVIK
RKIPYILKRQLYENKPRRPYILKRGSYYY

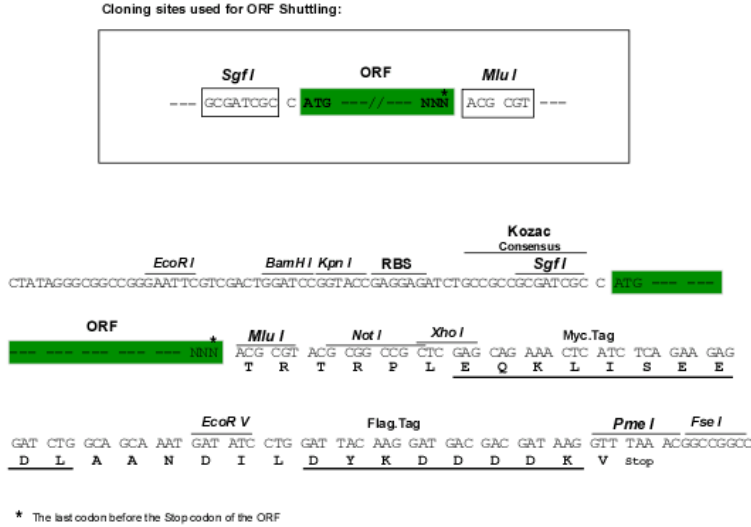
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9008_c05.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024435

ORF Size: 507 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_024435.2](#), [NP_077755.1](#)

RefSeq Size: 1237 bp

RefSeq ORF: 510 bp

Locus ID: 67405

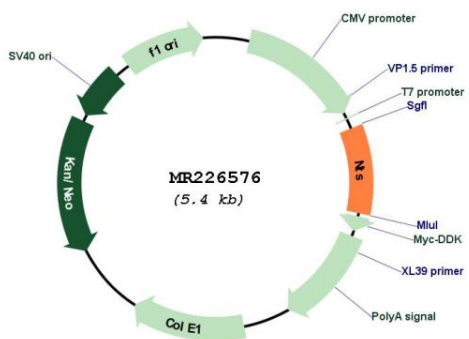
UniProt ID: [Q9D3P9](#)

Cytogenetics: 10 D1

MW: 20.1 kDa

Gene Summary: Neurotensin may play an endocrine or paracrine role in the regulation of fat metabolism. It causes contraction of smooth muscle (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226576