

Product datasheet for **MC207496**

Nit2 (NM_023175) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nit2 (NM_023175) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nit2
Synonyms: 1190017B19Rik; D16Ert502e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207496 representing NM_023175
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTACTTTCCGCCTGGCCCTCATACAGCTTCAAGTTTCTTCCATTAATCAGATAACCTTACCCGGG
 CTTGTAGCCTAGTGGGGAGGCAGCAAAGCAAGGTGCCAACATAGTTTCTCTGCCTGAGTGCTTCAATTC
 TCCATATGGAACAACCTACTTTCTGACTATGCAGAGAAGATTCCTGGAGAGTCCACACAAAAGCTTTCT
 GAAGTAGCAAAGGAGAGCAGCATATATCTATTGGAGGCTCCATCCCTGAAGAGGATGCTGGGAACTGT
 ATAATACCTGCTCTGTGTTGGCCTGATGGAAGTTTACTGGTAAAGCACAGGAAGATCCATCTGTTTGA
 CATTGATGTTCCCTGGGAAAATTACGTTTCAAGAATCTAAAACATTGAGCCCTGGTGATAGTTTCTCCACA
 TTTGATACGCCTTACTGCAAAGTGGCCTGGGCATCTGCTATGATATGCGCTTCGCGGAGCTTGACAAA
 TCTATGCACAAAGAGGCTGCCAGCTCTTGGTGTATCCTGGAGCTTCAATCTGACCACAGGACCAGCCCA
 CTGGGAGCTGCTTCAGCGAGCCCGGGCTGTTGATAATCAGGTGTATGTGGCTACAGCCTCCTGCTCGG
 GATGACAAAGCCTCGTATGTGGCCTGGGACACAGCACTGTTGTGGATCCTTGGGGCAGGTCCTAAACCA
 AAGCTGGCAGGAGGAAACAATCCTGTACTCAGACATAGACCTGAAGAAGCTGGCTGAAATTCGGCAGCA
 AATCCCATTTTAAAACAGAAACGAGCAGACCTCTATACAGTGAATCAAAGAAGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_023175
Insert Size: 831 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_023175.1 , NP_075664.1
RefSeq Size:	1292 bp
RefSeq ORF:	831 bp
Locus ID:	52633
UniProt ID:	Q9JHW2
Cytogenetics:	16 34.22 cM
Gene Summary:	Has a omega-amidase activity. The role of omega-amidase is to remove potentially toxic intermediates by converting 2-oxoglutaramate and 2-oxosuccinamate to biologically useful 2-oxoglutarate and oxaloacetate, respectively.[UniProtKB/Swiss-Prot Function]