

## Product datasheet for MR204126

### Nus1 (NM\_030250) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nus1 (NM_030250) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nus1
Synonyms:	1600027K07Rik; AU019165; AW538011; BC003223; D10Ert438e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204126 representing NM_030250 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGGGTGTACGAGCTGGTGTGGCGGGTGTGCACGCGCTGCTCTGCCTGCACCTCACGCTCACCT  
CCTGGCTCCGCGTTCGCTTCGGCACCTGGAAGTGGATCTGGCGGCGTGTGTGCGCGCCCTCCGCCGC  
GGTCTAGCGCCGCTCGGCTTCACGCTCCGAAGCCCCGGCCGTCGGCAGGAACCGGCGTCATCACCGG  
CACCCGCACGGGGACCGGGACCGGGACCGGGACCGGCCACCCATCCTCGGCTGCGTGGCGCGCGG  
ACGTCCGGTCCCTGCAGAAGCTGCCGGTGCACATGGGCCTGTTGGTCACGGAGGAAGTGCAGGAGCCAG  
CTTCTCAGACATCGCCAGCCTCGTGGTGTGGTGTATGGCCGTGGGATCTCCTACATTAGCGTCTACGAC  
CACCAAGTATTTTCAAGAGAAATAATTCCAGATTGATGGATGAAATTTAAAACAGCAACAGGAACTTT  
TGGCCAAGATTGTTCCAATACTCAGCAGAGTTTGCAAATAGTAATGACAAAGACGATCAAGATTTAAA  
TTGCCCTTCGGCAGTGAAGGTGCTGTCCCAGAAAGATGGAAAAGCGGATATTGTGAGAGCTGCCAGGAT  
TTTTGCCAGTTAGTAGCCAGCAGCAGAGGAAGCCACAGATCTGGATGTAGATCTGCTAGGCAGCTTAC  
TTAGTTACATGGGTTCCCTGATCCTGACTTAGTGTGAAGTTTGGTCTGTGGACAGCATTAGGCTT  
TCTTCCCTGGCAAATCAGATTGACTGAGATCGTCTCTCGCCTTCTCACCTAAACATCAGCTATGAGGAC  
TTCTTCCGCCCTTCGGCAGTATGCAGCTTGCGAACAGCGACTGGGAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_030250.2](#), [NP\\_084526.1](#)

**RefSeq Size:** 4614 bp

**RefSeq ORF:** 894 bp

**Locus ID:** 52014

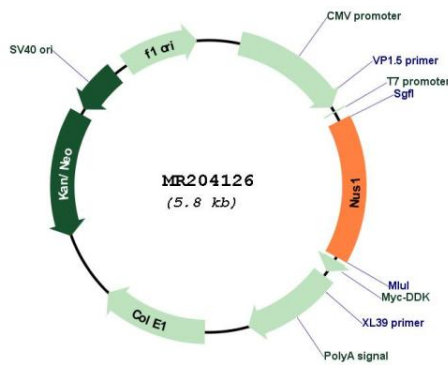
**UniProt ID:** [Q99LJ8](#)

**Cytogenetics:** 10 26.64 cM

**MW:** 33.5 kDa

**Gene Summary:** With DHDDS, forms the dehydrodolichyl diphosphate synthase (DDS) complex, an essential component of the dolichol monophosphate (Dol-P) biosynthetic machinery. Both subunits contribute to enzymatic activity, i.e. condensation of multiple copies of isopentenyl pyrophosphate (IPP) to farnesyl pyrophosphate (FPP) to produce dehydrodolichyl diphosphate (Dedol-PP), a precursor of dolichol phosphate which is utilized as a sugar carrier in protein glycosylation in the endoplasmic reticulum (ER). Regulates the glycosylation and stability of nascent NPC2, thereby promoting trafficking of LDL-derived cholesterol. Acts as a specific receptor for the N-terminus of Nogo-B, a neural and cardiovascular regulator. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR204126