

Product datasheet for **MR223518**

Nhs12 (NM_001163610) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nhs12 (NM_001163610) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nhs12
Synonyms:	1110062M06Rik; 6430511F03; A1225852; AW488865; EG621083; ENSMUSG00000073037; Gm10456
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223518 representing NM_001163610 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCGTTCTACCGGCGCACTGTGGTGCCCCAGCGTCTGTGCCCGCGCAACCCTCCGCAGCCGCTGGCTG
 AGCTCCGCGACGTGAGCCACCTGGCCGCGCTCAGTCTGCTCCGCCAGCTCGCAGACCTCTGCGGCCACTC
 GCTGGCTCTGCTGGAGGACCTCGAGGGGCACTGCTGGCTCTGGGGCGCCGACCGACAGCCTGTACCGG
 CGCACCGTCCGGCTCCGCCGCGCCTTCCCTGTCGCTGCTTGGCCGGAGGATGATGAAGAATTGCTAG
 CTGCAGCTAACTCGGGTCGGGAAAATGCGACAGCGACTGCCACTCGAGGTCGTCATGGCGACAGCCAGT
 GAACGTGTTCTCTCTCGGGCAGGCCCGGAGTGTAGAGGAAGTCTTCGCGAGGCGCAGCTCAATCTC
 CAGAGCCTGTTGCAAGAAGAATATGAGGAACAGTATTCGAGGCCAGACTTCTGGGGCAGACCTTCCGCT
 CTTCTGATGGGGCCCTGAGCCTACTCCAGCCCAAGGCCCAAGTCTGCCAAGCGTCTGGAGTTTGTACT
 GATGCCTGCAAAACGGCAGCTGAGCGAGGATGAGACCACGACCCAGGGTGTGAGGGCCCCCTGAGGCCTGC
 CTGAGCCTGTCTACTGCCAACAAGCAAAGTGCCTGGAATGACCCCTTCCCTCTACCCATCCTAAAGGAGA
 GGCTCTGGCTTACGCCCTGCTCCACACAGTCTGACCTTGTGCCAATCAACATCTCTGGGCAGCAGTTTGA
 TAGACATGCAAGTTTTCGACACTCGTTGTTAACACAGAGACAGCCGTGAACCCCAAGTCCACCCCTGAGG
 CGGAGGCGGACCATTATTGGATTCTCTAAGTTTCTCAGCGAGACCAAGGTCACAGCAGCAGCCCCACAG
 GCAGCCTGGCCCGCTCTGCCACCTCAGACATCAGGCCTGGCCACTCAGCTCCACAAGTTGTTTCAGGGAAG
 AGTTGCTGTTGGGCAGGAAGCTCGGTTCCCAAGTCTCAGCTCAGGAGGAGTGGAGAGCATGGCAGTGGTGACA
 CCCGAGAGCGCTCACCAGGCACGCAAGTGCCTCAGACCATCCCGCATGGAGAGCATGGCAGTGGTGACA
 GTGTCCCGAGTCTTGCAATGGACCAACAGAGTCAACATTCTCCACTTCTGGAAGGGAGATGCTTTCAC
 ATACATGACCCCAAGTGCCAGCAGCCAGGGCAATCAAGTCAGTGAAGTGGAAAAACCTTCTCGGGC
 AATTCTTGGGTCCTCTGAACACACTCCACCTCTGGTTCTAAGGAGGCGGCCAGCTCTTTGTACCC
 GTGATAACCCAGCAGGATGCACTGGGCTACCCAGCTACTCTGAGCACCCACTCTACGAAGACAGATACC


[View online »](#)

AGAAAGACCTCCCAAGATTGGCCTTCTTGCCCGTGGTACCTCAAGGCTGGAAACAGGCCAGGTGGGACC
AACAGGTTCCGGGAGCGGTCACTGTCTGTACCCACAGACTCGGGTGTACCTCAGTGGAATATGACGAAG
AACAGAAGACCACTGAGACCCGCATCTGCCTTATGCCAGTACAAGCTCCGAGGGCAGTAACAGTACTGA
CAACATTGCAGCCCTCAGCACTGAGCAGGAGGCACGGCACAGAAGGCAAAGATCCAAAAGTATTTCACTC
AAGAAGGCCAAAAAGAAGCCCTCTCCACCATGCGAAGTGTCTCACTCGTCAAAGATGAGCCAGCCCTCC
CACCAGAAGGCCAATTGGTACTGCCAAGGACCAGAGGCCCTAGGAGCCTTTGCCTCTCCTTGGAACACCA
AGGGCACCACCCACCTCACCAGATGCTCAAGGTCAACCAGCTGTGCCAATGCTCAAAGATCCAGGAAGT
ACGCAGTTCTCTCACCAGTGGTATCTTACTGACTGGAAGTCTGGTGACACCTACCAGTCCTTGTCAGCT
CCAGCACTGCCACCGGCACACGGTCATTGAGTGCACTCAAGTTCAGGGAAGCTCAGAGTCTCTGGCCTC
CCCTTCCACCTCCAGAGCGACAACACCCTCCAGCTCTCCATTGAGGTGGAAGCCAGGGAAGTAGCCTCT
CCTGGGAGGCCACTGGACTGATGTCCCTTCCAGTGGTACTCCAGCCAGTCAGAGACACCCACACCCA
CTGTCTCCATGTCTTGACCTGGGCCACTTACCTCTCCAAGTGTAGTGTGAGAGTACGTCCAGTGGT
ACCAGAAAGGAAGTCATCACTGCCCCAACATCACCAATGGAGAAATCTGCAAGTCACGGTTATCATTT
GACCTACCACTGACCTCTTCAACCACCTGGATCTGTGCGGGATGAGTATCTCCATCCGAGCAAAACCA
AGGTGAGCCGCCATCACTCTGATACCAATTTGGGGTCAAAGTGGCACAGAAAAGTGTCCAAACCAACC
GATCATGCCCATGGTTACTCAGTCTGACCTCCGTTCTGTTGCGCTGAGGTGAGTCAAGCAAGTCTGAGCCA
GAAGACGACATTGAGAGTCCAGATTACATAGAGGAACCTGGAGCAGAGGAAGTCTTACCATGCCAGAGA
GAAAAGTGAAACCTCCCATAGCCGAGAAACCTCCATTGGCCCGAAGGCCCTCAAGTTTGGTCCACAGGCC
GCCCTCTCTCCCTGGGGAGTATCCACTAATCTCTCTACTATGGCTATGGCATCCAGGAGCTCCATTCCA
CACATGAAGCAGCTTCCCAAGACAGCTACACAGTGTGCGGAAACCAAGTCACCCAGCTTCCCCGGGG
AGTCAACAGCATCCTCCAGCCTTGTCTCTCACCTCTTGCCAGTTCCTCTGGTGCTTTCTTCTCAGGAAC
ACAGCAACCTCCCAGGCCAGTGTAGAAGACGGGGGCCCAAGGTGAGAGCCCTGCCTGAAAGAATCGGC
CTCCAGAGCCAGGAAGAAGCTGAGAAAAAGATGACCAAGATTCCACCTCCGGTACCAAAAAAGCCAGTG
TGCTCTACCTGCCTCTCACCTCCCCTGTAGCTCAAATGGATGCCTGCATGGCAGAACCAAGGCTACCTTT
CAGCCCCATCATACCCTGGAGGAAGATGGCAAGTGTCCCTCCACTGGTGTGACCCAGAAGTCACCTGGT
AAAGGGGTGACTTCGCTCTTCACTGACACAGAAAAAGAGGCCATCTCTCAGGGAGGTGAGTGAAC
CGAGTGTGAAGAGAAAAGTTTAAATCAGTGATAAAACAGCCGAATGGATTGCAGAGGAGGAGGATGACGT
GTTTGTGGCTTCCCGCACAAGTGAAGATTTATTTACTGTGATACACAGGTCCAAAGAAAGCTACTGGGC
TGGAAAGAGACTGGGGAGGGCTTACGGGAAGCAAAACCCAGCTCCCATTCACCAAGTGAAGAATACAGCTG
ATTCTCCACCGGTGAGGCTGCTGCTGCCCCAGGGCCAAGTAGCAGTGCCTGCCTAGATGCTGGTAGAAA
TGATGATTTCAAGGCCTTGCTCCAGAAGAAGGAAGTAAGGCAACTCCAGGACCCGCCCTCAGCGGCC
GAGCTGCTGAAGACCACTAACCTCTGGCTCGAAGGATTATTGCACAGTTCTCAAAGACTACGAACCCA
CTGACAACCCAGTACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223518 representing NM_001163610
 Red=Cloning site Green=Tags(s)

```
MPFYRRTVVPQRLCPNPPQPLAELRDVSHLAALSLRLQADLCGHSLALLEDLEGHLLALGRRTDSL YR
RTVRLRRRLPCRLLGPEDDEELAAANSGRNATATAHSRSSWRQPVNVFLSSGRPPSVEELLREAQLNL
QSLLEEEYEEQYSEARLLGQTFRSSDGAPEPTSPRPQSAKRLEFVLMPAKRQLSEDETTTQGVRAPEAC
LSLSTANKQSAWNDPFLPLILKERLWLQPCSTQSDLPINISGQQFDRHASFRLSFTNTETAVNPKSTLR
RRRTIIGFSNFSQRDQGHSSPTGSLARSATSDIRPGHSAPQVVQGRVAVGQEARFPSLTSPGLRHSSSE
PGDAHQARSASDHPGMESMAVVYVSPSSCNGPTSTFSTSWKGDFTYMTPSASSQGNQVSENGKNPSSG
NSWVPLNTLPPLVPKEAATLFVTRDNPAGCTGLPSYSEHPTLRRQIPERPPKIGLLARGTSRLETGPGGT
NRFRRSLSVPTDSGVTSDYDEEQKTSETRILPYASTSSEGSNSTDNIAALSTEQEARHRRQRSKISL
KKAKKKPSPPMRSVSLVKDEPALPPEGELVLPKDQRPRLCLLEHQGHHPHPDAQGHAPVPMKDPGS
TQFSHHWYLDWKSGDTYQSLSSSSTATGTTVIECTQVQGSSESLASPSTSRATTPSQLSIEVEAREVAS
PGRPTGLMSPSSGYSSQSETPTPTVMSLTGLHLPSSASVVRVPVPERKSSLPTSPMEKICKSRLSF
DLPLTSSSTLDLGSMSISIRSKTKVSRHSDTNFGVKLAQKTSNPQIMPMTQSDLRVRLRSVSKSEP
EDDIESPDYIEEPGAEEVFTMPERKVKPPIAEKPPLARRPPSLVHRPPSLPGEYPLTSPTMAMASSSIP
HMKQLPQDSYTVLRPKKSPSFPGESTASSSLVLSPLASSSGAFFSGTQQPPQASVEDGGPKVRLPERIG
LQSQEEAEKMTKIPPPVPKKPSVLVPLTSPVAQMDACMAEPRLPFSPIITLEEDGKCPSTGDDQKSPG
KGVTSPLHTDTEKEAISPGRSVEPSAEKSLISDKTAEWIAEEEDDVVASRTTEDLFTVIHRSKRLLG
WKETGEGFTGSKPSSHSPVKNTADSPTEGAAAAPGPSSSACLDAGRNDDFKALLQKKGSKATPRTRPSAA
ELLKTTNPLARRIIAQFSKDYEPDNPST
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9101_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

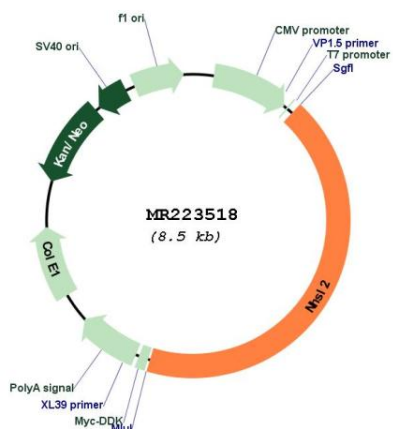


ACCN: NM_001163610

ORF Size: 3657 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001163610.1 , NP_001157082.1
RefSeq Size:	12971 bp
RefSeq ORF:	3660 bp
Locus ID:	100042480
UniProt ID:	B1AXH1
Cytogenetics:	X D
MW:	132.4 kDa

Product images:



Circular map for MR223518