

Product datasheet for **MR203332**

Isg2012 (BC098326) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Isg2012 (BC098326) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Isg2012
Synonyms:	4930429N24; C80587
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203332 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTACCATACTCCTGAATTTAGACTTTGGGCAACCTTCGAAAAAGGCATTTGGAGGAAATGCCAAAC
ATCAACGCTTTGTCAAGAAGCGAAGGTTCTTGGAACAGAAAGGATTTCTGAATAAAAAGAACCAACCCCC
TAACAAGGTGTCTAAGTTGAACCTCAGAACCTCAAAGAAAGGGGAACTTCAAGAGTAGATGGCATTTTG
AAGATCCTTCCATGCCAAAAGAAGAAAGAGGCAGCTGCCTCAAGAGGGACTCAGAGCAGTCAAAGACA
AGAAAGCACCATTGTCTTGGCTGACCCCTGCTCCTTCAAAGAAGACTGCTTCTGTGTGTCTAAATAGA
TTTGCTAGGGGAGTTTCAGAGTGCCCTTCAAAGACTAAGAGCACCCAGAAGAAGGGCTCCAAGAAGAAG
TCCTTGAAAAAGAAAATTGCTACAGAGAACTCCACCCAAGCTCAGTCAAAGGATAAAGGCTCCAAGAAGA
AGCCCTTGAAAGAAAAATGCTGTACCGAACTCCACCCAAGCTCGTTCTGAAGATAAGTGCCCTACAGTCCC
CCAAAAGTTGCCAGGGAAGATGGTGGCAATAGACTGTGAAATGGTGGGCACAGGACCAAGGGACGCGTT
AGTTCCTGGCTCGATGCAGCATTGTAATTACAATGGTGTGTGCTGTACGATGAGTACGTCTCCCCC
CCTGCTACATCGTCAACTACCGGACCAGATGGAGTGGTATCCGGGAAGTGTCTCTGGTGAAGGACTTGGG
A

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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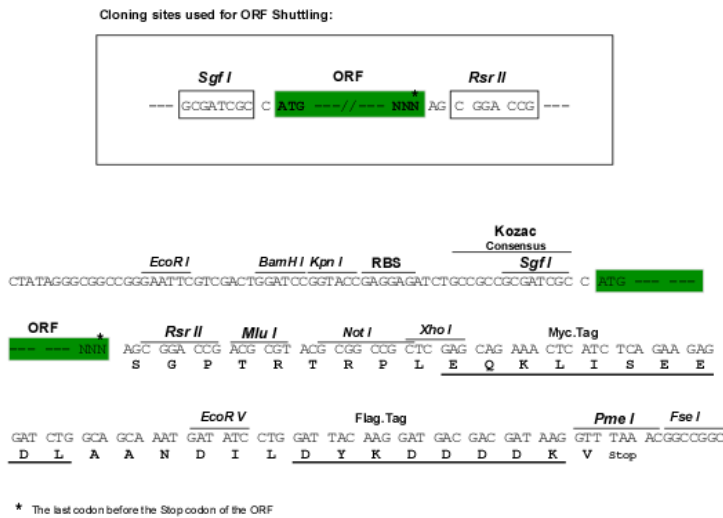
Protein Sequence: >MR203332 protein sequence
 Red=Cloning site Green=Tags(s)

MSTILLNLDFGQPSKKAFFGGNAKHQRFVKKRRFLEQKGFLNKKNPKNVSKLNSEPPKKGETSRVDGIL
 KILPCPKKKEAAAASKRDSEQSKDKKAPLSWLTPAPSKKTASVSKIDLLGEFQSALPKTKSTQKKGSKKK
 SLKKKIATENSTQAQSKDKGSKKKPLKKNVAVNSTQARSEDKCPTVPQNLPGKMVAIDCEMVGTGPKGRV
 SSLARCSIVNYNGDVL YDEYVLPACYIVNYRTRWSGIREVSLVRDLG

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: BC098326

ORF Size: 771 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: [BC098326](#), [AAH98326](#)

RefSeq Size: 2902 bp

RefSeq ORF: 773 bp

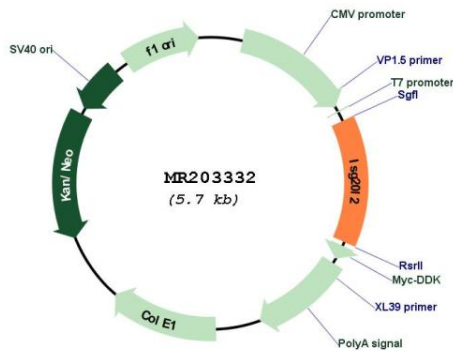
Locus ID: 229504

Cytogenetics: 3 F1

MW: 28.4 kDa

Gene Summary: 3'-> 5'-exoribonuclease involved in ribosome biogenesis in the processing of the 12S pre-rRNA. Displays a strong specificity for a 3'-end containing a free hydroxyl group.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203332