

Product datasheet for MR203257

Rnaseh2a (BC029252) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnaseh2a (BC029252) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnaseh2a
Synonyms:	RNHL, RNHIA, RNASEHI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR203257 representing BC029252 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTCAGCGAGCTGGAGAGGGACAATACGGGTCGTTGTCGCTCGAGTTCTCCTGTACCTGCTGTGT
GTCTCAAGGAGCCGTGCGTTCTGGGCGTGGATGAAGCGGGCCGAGGCCCTGTGCTTGGTCCCATGGTCTA
CGCCATCTGTTACTGCCCCCTGTCTCGTTGGCAGATCTGGAGGCTCTGAAAGTGGCAGACTCTAAGACC
TTGACAGAGAACGAGCGGGAGAGGCTCTTTGCGAAAATGGAGGAGGATGGAGACTTTGTGGGTTGGGCTT
TGGACGTCTGTCTCAAACCTGATCTCTACCAGCATGCTTGGGCGAGTCAAGTACAACCTCAACTCCCT
GTCACACGATACAGCAGCGGGGCTGATACAGTACGCACTGGACCAGAATGTGAATGTCACTCAGGTATTT
GTGGACTGTAGGAATGCCAGAGACATACCAGGCTCGATTACAACAGCACTTTCCCGGGATAGAGGTGA
CAGTCAAGGCCAAAGCTGACTCCCTGTTCCCTGTGGTCACTGCTGCCAGCATCTTGCCAAGGTGGCCCG
AGACAAGGCTGTGAAGAAGTGGCAGTTTGTGGAAAATTTACAGGATCTGGACTCCGATTATGGCTCAGGC
TATCCAATGATCCAAGACCAAGCCCTGGCTGAGGAAACATGTGGACCCTGTGTTGGCTTCCCCCAGT
TTGTACGGTTCAGTTGGAGCACAGCCAGGCCATCCTGGAGAAGGAGGCCAGAAGATGTCATT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

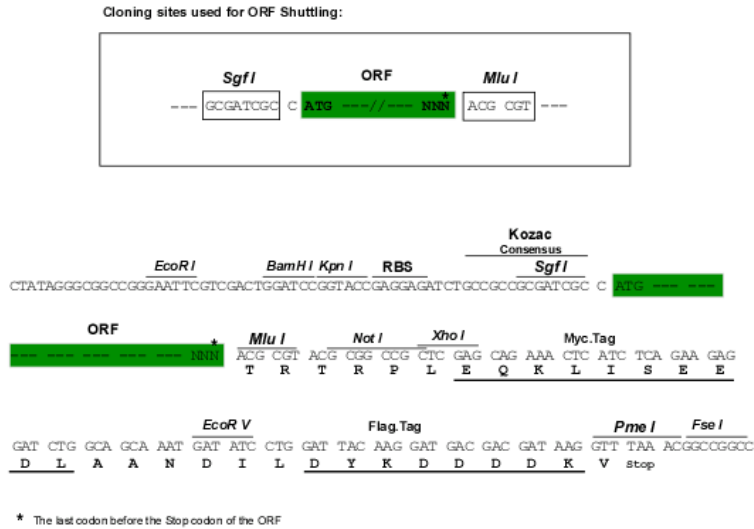
Protein Sequence: >MR203257 representing BC029252
 Red=Cloning site Green=Tags(s)

MDLSELERDNTGRCRLSSPVPVAVCLKEPCVLGVDEAGRGPVLPMPVYAICYCPLSRLADLEALKVADSKT
 LTENERERLFAKMEEDGDFVWALDVLSPNLISTSMGRVKYNLSLSDHTAAGLIQYALDQNVNVTQVF
 VDTVGMPEYQARLQQHFPGIEVTVKAKADSLFPVVSAAIFAKVARDKAVKNWQFVENLQDLDSYDGS
 YPNDPKTKAWLRKHVDPVFGFPQFVRFWSWTAQAILEKEAEDVI

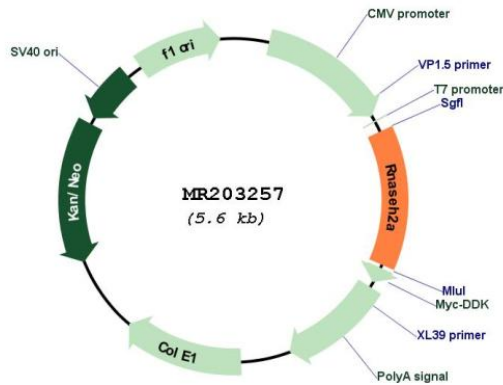
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC029252
ORF Size: 762 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:	<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:	BC029252.1
RefSeq Size:	1020 bp
RefSeq ORF:	764 bp
Locus ID:	69724
Cytogenetics:	8 C3
MW:	37.4 kDa
Gene Summary:	Catalytic subunit of RNase HII, an endonuclease that specifically degrades the RNA of RNA:DNA hybrids. Participates in DNA replication, possibly by mediating the removal of lagging-strand Okazaki fragment RNA primers during DNA replication. Mediates the excision of single ribonucleotides from DNA:RNA duplexes.[UniProtKB/Swiss-Prot Function]