

Product datasheet for **MG200295**

Rnasek (NM_173742) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnasek (NM_173742) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rnasek
Synonyms: 2310033H11Rik; AA571397; D11Bwg0434e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200295 representing NM_173742
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCGCTCCTGTGCTGTGGCCCTAAGCTGGCCGCCTGTGGCATCGTCCTCAGCGCCTGGGGAGTGA
TCATGTTGATAATGCTCGGGATATTTTCAATGTCCATTCTGCTGTGTTAATTGAGGACGTTCCCTTAC
AGAGAAAGATTTTGAGAACGGTCCTCAGAACATATACAACCTGTACGAGCAAGTCAGCTACAACCTGTTTC
ATCGCCCGGGCCTCTACCTCCTCCTCGGAGGCTTCTCCTCTGCCAAGTTCGTCTCAACAAGCGCAAGG
AATACATGGTGGCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200295 representing NM_173742
Red=Cloning site Green=Tags(s)
MASLLCCGPKLAACGIVLSAWGVIMLIMLGIFNFVHSAVLIEDVPFTEKDFENGPQNIYNLYEQVSYNCF
IAAGLYLLLGGFSFCQVRLNKRKEYMVR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<u>NM_173742.3</u> , <u>NP_776103.1</u>
RefSeq Size:	615 bp
RefSeq ORF:	297 bp
Locus ID:	52898
UniProt ID:	<u>Q8K3C0</u>
Cytogenetics:	11 42.99 cM
Gene Summary:	Endoribonuclease which preferentially cleaves ApU and ApG phosphodiester bonds. Hydrolyzes UpU bonds at a lower rate (By similarity).[UniProtKB/Swiss-Prot Function]