

Product datasheet for MG200889

Pnrc2 (NM_026383) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Pnrc2 (NM_026383) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Pnrc2

Synonyms: 0610011E17Rik; D4Bwg0593e

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG200889 representing NM_026383

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200889 representing NM_026383

Red=Cloning site Green=Tags(s)

MGGGERYNIPDPQSRNASKNQEQQNRQKSKDQNSSQTKIAHKKKERGHGYNPAAAAWQAMQNGGKTKSLS NNSNWNAGLSSPSLLFKSQASQNYAGAKFSEPPSPSVLPKPPSHWVHVSLNPSDKETMTFQLKTLLKVQV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



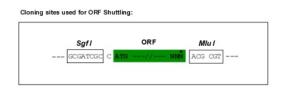
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

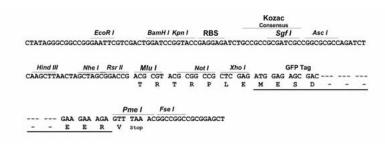
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

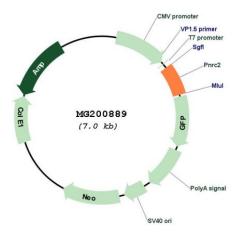


Cloning Scheme:





Plasmid Map:



ACCN: NM_026383

ORF Size: 420 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

ORIGENE

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.

NM 026383.3 RefSeq:

RefSeq Size: 1889 bp RefSeq ORF: 423 bp Locus ID: 52830 **UniProt ID:** Q9CR73 Cytogenetics: 4 68.01 cM

Gene Summary: Involved in nonsense-mediated mRNA decay (NMD) by acting as a bridge between the mRNA

decapping complex and the NMD machinery (By similarity). May act by targeting the NMD machinery to the P-body and recruiting the decapping machinery to aberrant mRNAs (By similarity). Required for UPF1/RENT1 localization to the P-body (By similarity). Plays a role in glucocorticoid receptor-mediated mRNA degradation by interacting with the glucocorticoid receptor NR3C1 in a ligand-dependent manner when it is bound to the 5' UTR of target mRNAs and recruiting the RNA helicase UPF1 and the mRNA-decapping enzyme DCP1A, leading to RNA decay (By similarity). Also acts as a nuclear receptor coactivator. May play a role in controlling the energy balance between energy storage and energy expenditure

(PubMed:17971453).[UniProtKB/Swiss-Prot Function]