

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 Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200889 representing NM_026383
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTGGCGGAGAGAGGTATAACATTCCAGACCCTCAATCTAGAAATGCTAGTAAGAACCAAGAACAGC
AAAATAGACAGAAGCAAGGATCAGAATCTTCCAGACGAAGATTGCTCATAAGAAAAAGGAACGAGG
ACATGGGTACAATCCAGCAGCAGCAGCATGGCAGGCCATGCAAAATGGGGAAAGACCAAGGCCTTTCT
AACAACTCCAACCTGGAATGCTGGTTTATCAAGTCTAGCTTGCTTTTTAAGTCTCAAGCTAGTCAGAACT
ATGCTGGAGCCAAATTTAGTGAACCACCATCACCAAGTGTCTCCCAAGCCACCAAGCCACTGGGTTCA
TGTTTCCTTGAACCTTCAGATAAGGAAACGATGACATTTCAACTAAAACCTTACTTAAGGTACAGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200889 representing NM_026383
Red=Cloning site Green=Tags(s)

MGGGERYNIPDPQSRNASKNQEQNRQKSKDQNSSQTKIAHKKKERGHGYNPAAAAWQAMQNGGKTKSL
NNSNWNAGLSSPSLLFKSQASQNYAGAKFSEPPSPSVLPKPPSHVHVSLNPSDKETMTFQLKTLKLVQV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



[View online »](#)

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:	NM_026383.3
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]