

Product datasheet for **MG201977**

Denr (NM_026603) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Denr (NM_026603) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Denr
Synonyms: 1500003K04Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201977 representing NM_026603
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTACTGACATTTCTGAATCCAGCGGGGGCGGATTGCAAAGGCGATACGAAGAACAGTGCCAAGTTAG
 ATGCGGATTACCCTCTTCGAGTCCTTTATTGTGGAGTCTGTTCAATACCAACAGAGTACTGTGAATACAT
 GCCGGATGTTGCTAAATGTAGACAATGGCTAGAGAAGAACTTTCCAAATGAATTTGCAAACTTACTGTA
 GAAAATTCACCCAAACAAGAACTGGAATTACTGAAGCCAAGGACCAGTAGGGGAAGAGGAGGAGAAGA
 AAAACAACAAAAGAGGTGGAAGAGGTCAAATAAAACAGAAGAAGAAGACAGTACCACAGAAGGTCACGAT
 AGCCAAAATCCAGAGCAAAGAAGAAATACGTGACGAGAGTGTGTGGCCTTGCAACTTTTGAAATTGAT
 CTCAAAGAAGCACAAGATTTTTTGTCTCAAAAATCTCGTGCGGTGCCTCAGTGACAGGGGAGGACGAGA
 TCATCATTAGGGAGACTTCACAGATGACATCATTGACGTCATTAGGAAAAGTGCCAGAGGTGGATGA
 CGACAGCATTGAAGACCTTGGAGAAGTGAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201977 representing NM_026603
 Red=Cloning site Green=Tags(s)

MATDISESSGADCKGDTKNSAKLDADYPLRVLVYGVCSLPTHEYCEYMPDVAKCRQWLEKNFPNEFAKLTV
 ENSPKQETGITEGQGPVGEIEEKKKQKRGRGQIKQKKTVPPQKVTIAKIPRAKKKYVTRVCGLATFEID
 LKEAQRFFAQKFSCGASVTGEDEIIIQGDFDDIIDVIQEKWPEVDDSDIEDLGEVKK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

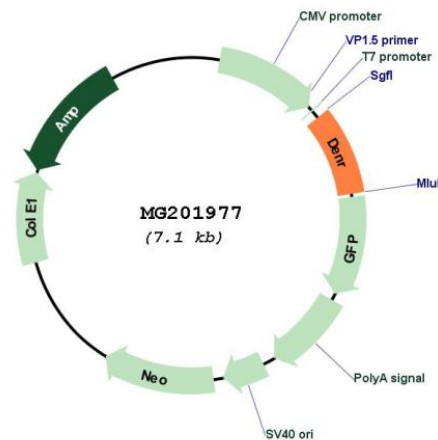


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Cloning Scheme:



Plasmid Map:



ACCN: NM_026603

ORF Size: 594 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: [NM_026603.4](#)

RefSeq Size: 2236 bp

RefSeq ORF: 597 bp

Locus ID: 68184

UniProt ID: [Q9CQJ6](#)

Cytogenetics: 5 F

Gene Summary: May be involved in the translation of target mRNAs by scanning and recognition of the initiation codon. Involved in translation initiation; promotes recruitment of aminoacylated initiator tRNA to P site of 40S ribosomes. Can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits (By similarity).[UniProtKB/Swiss-Prot Function]