

## Product datasheet for MR201977

### Denr (NM\_026603) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Denr (NM\_026603) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Denr  
Synonyms: 1500003K04Rik  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >MR201977 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTACTGACATTTCTGAATCCAGCGGGGCGGATTGCAAAGGCGATACGAAGAACAGTGCCAAGTTAG  
ATGCGGATTACCCTCTTCGAGTCCTTTATTGTGGAGTCTGTTCAATACCAACAGAGTACTGTGAATACAT  
GCCGGATGTTGCTAAATGTAGACAATGGCTAGAGAAGAACTTTCCAAATGAATTTGCAAACTTACTGTA  
GAAAATTCACCCAAACAAGAACTGGAATTACTGAAGGCCAAGGACCAGTAGGGGAAGAGGAGGAGAAGA  
AAAAACAAGAGGTGGAAGAGGTCAAATAAAACAGAAGAAGACAGTACCACAGAAGGTCACGAT  
AGCCAAAATCCAGAGCAAAGAAGAAATACGTGACGAGAGTGTGTGGCCTTGCAACTTTTGAAATTGAT  
CTCAAAGAAGCACAAGATTTTTTGTCTCAAAAATCTCGTGCGGTGCCTCAGTGACAGGGGAGGACGAGA  
TCATCATTAGGGAGACTTCACAGATGACATCATTGACGTCATTAGGAAAAGTGCCAGAGGTGGATGA  
CGACAGCATTGAAGACCTTGGAGAAGTGAAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201977 protein sequence  
Red=Cloning site Green=Tags(s)

MATDISESSGADCKGDTKNSAKLDADYPLRVL YGVC SLPT EYCEYMPD VAKCRQWLEKNFPNEFAKLT V  
ENSPKQETGITEGQGPVGE EEEKKKQKRGRGQIKQKKKTV PQKVTIAKIPRAKKKYVTRVCGLATFEID  
LKEAQRFFAQKFSCGASVTGEDE IIIIQGDFD DDIIDVIQEKWPEVDDDSIEDLGEVVK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_026603

ORF Size: 597 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

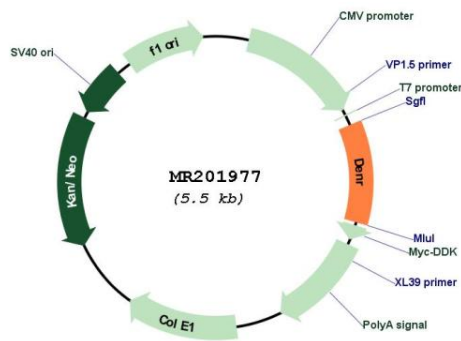
UniProt ID: [Q9CQJ6](#)

**Cytogenetics:** 5 F

**MW:** 22.2 kDa

**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]

**Product images:**



Circular map for MR201977