

## Product datasheet for **RC206164**

### **DNER (NM\_139072) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DNER (NM_139072) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNER
Synonyms:	bet; UNQ26
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RC206164 representing NM\_139072  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACGCCCCCGCGGCCAGGCGCCCGGTGCGCAGCTGTGCCCGCTGGCCCTGCTGCTGCTGCTGC  
TCGGAGCGGGGCCCGAGGCAGCTCCCTGGCCAACCCGGTGCCCGCCGCGCCCTGTCTGCGCCCGGGCC  
GTGCGCCGCGCAGCCCTGCCGAATGGGGTGTGTGCACCTCGCGCCCTGAGCCGGACCCGAGCACCCG  
GCCCCGCGGGCAGCCTGGCTACAGCTGCACCTGCCCGCCGGGATCTCCGGCGCAACTGCCAGCTTG  
TTGAGATCCTTGTGCCAGCAACCCTTGTACCATGGCAACTGCAGCAGCAGCAGCAGCAGCAGCAGCGA  
TGGCTACCTCTGCATTTGCAATGAAGGCTATGAAGGTCCCAACTGTGAACAGGCACCTTCCCAGTCTCCA  
GCCACTGGCTGGACCGAATCCATGGCACCCGACAGCTTCAGCCTGTTCTGCTACTCAGGAGCCTGACA  
AAATCCTGCCTCGCTCTCAGGCAACGGTGACACTGCCTACCTGGCAGCCAAAACAGGGCAGAAAGTTGT  
AGAAATGAAATGGGATCAAGTGGAGGTGATCCCAGATATTGCCTGTGGGAATGCCAGTTCTAACAGCTCT  
GCGGGTGGCCGCCTGGTATCCTTTGAAGTGCCACAGAACACCTCAGTCAAGATTCGGAAGATGCCACTG  
CCTCACTGATTTTGTCTGGAAGGTCACGGCCACAGGATTCACACAGTGCTCCCTCATAGATGGACGAAG  
TGTGACCCCTTTCAGGCTTCAGGGGACTGGTCTCCTGGAGGAGATGCTCGCCTTGGGGAATAATCAC  
TTTATTGGTTTTGTGAATGATTCTGTGACTAAGTCTATTGTGGCTTTGCGCTTAACTCTGGTGGTGAAGG  
TCAGCACCTGTGTGCCGGGGGAGAGTCAAGCAATGACTTGGAGTGTTCAGGAAAAGGAAAATGCACCAC  
GAAGCCGTGAGAGCAACTTTTTCTGTACCTGTGAGGAGCAGTACGTGGTACTTTCTGTGAAGAATAC  
GATGCTTGCCAGGAAACCTTGCCAAAACAACGCGAGCTGTATTGATGCAAAATGAAAAGCAAGATGGGA  
GCAATTCACCTGTGTTGCCTTCTGGTTATACTGGAGAGCTTGGCAGTCCAAGATTGATTACTGCAT  
CCTAGACCCATGCAGAAATGGAGCAACATGCATTTCCAGTCTCAGTGGATTACCTGCCAGTGTCCAGAA  
GGATACTCGGATCTGCTTGTGAAGAAAAGGTGGACCCCTGCGCCTCGTCTCCGTGCCAGAAACAACGGCA  
CCTGCTATGTGGACGGGTACACTTTACCTGCAACTGCAGCCGGGCTTACAGGGCCGACCTGTGCCCA  
GCTTATTGACTTCTGTGCCCTCAGCCCCTGTGCTCATGGCACGTGCCGACGCTGGGCACCAGCTACAAA  
TGCCTCTGTGATCCAGGTTACCATGGCCTCTACTGTGAGGAGGAATAAATGAGTGCCTCTCCGCTCCAT  
GCCTGAATGCAGCCACCTGCAGGACCTCGTTAATGGCTATGAGTGTGTGCTGGCAGAAATAAAAGG  
AACACACTGTGAATTGTACAAGGATCCCTGCGCTAACGTCAGCTGTCTGAACGGAGCCACCTGTGACAGC  
GACGGCTGAATGGCACGTGCATCTGTGCACCCGGGTTTACAGGTGAAGAGTGGCAGATTGACATAAATG  
AATGTGACAGTAACCCCTGCCACCATGGTGGGAGCTGCCTGGACCAGCCCAATGGTTATAACTGCCACTG  
CCCGCATGGTTGGTGGGAGCAACTGTGAGATCCACCTCCAATGGAAGTCCGGGACATGGCGGAGAGC  
CTACCAACATGCCACGGCACTCCCTCTACATCATCATTGGAGCCCTCTGCGTGGCCTTATCCTTATGC  
TGATCATCCTGATCGTGGGATTTGCCGCATCAGCCGATTGAATACCAGGGTCTTCCAGGCCAGCCTA  
TGAGGAGTTCTACAACCTGCCGACGATCGACAGCGAGTTCAGCAATGCCATTGCATCCATCCGGCATGCC  
AGGTTTGGAAAGAAATCCCGCCTGCAATGTATGATGTGAGCCCCATCGCCTATGAAGATTACAGTCTGT  
ATGACAAAACCTTGGTCACTGATTAATAAAGATTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206164 representing NM\_139072  
 Red=Cloning site Green=Tags(s)

MQPRRAQAPGAQLLPALALLLLLLGAGPRGSSLANPVPAAPLSAPGPCAAQPCRNGGVCTSRPEPDPQHP  
 APAGEPGYSCTCPAGISGANQQLVADPCASNPCHHGNCSSSSSSSDGYLCICNEGYEGPNCQALPSLP  
 ATGWTESMAPRQLQPVPAATQEPDKILPRSQATVTLPTWQPKTGQKVVEKWDQVEVIPDIACGNASSNS  
 AGGRLVSFEVPQNTSVKIRQDATASLILLWKVTATGFQQCSLIDGRSVTPLQASGGLVLLLEMLALGNNH  
 FIGFVNDSVTKSIVALRLTLVVKVSTCVPGESHANDLECSGKGKCTTKPSEATFSCTCEEQYVGTFCCEY  
 DACQRKPCQNNASCIDANEKQDGSNFTCVCLPGYTGELCQSKIDYCIDLPCRNGATCISLSSGFTCQCE  
 GYFGSACEEKVDPCASSPCQNGTCYVDGVHFTCNCSPGFTGPTCAQLIDFCALSPCAHGTCSRVTGSYK  
 CLCDPGYHGLYCEEEYNECLSAPCLNAATCRDLVNGYECVCLAEYKGTCELKDPKANVSLNGATCDS  
 DGLNGTCICAPGFTGEECDIDINECDSNPCHHGSCLDQPNGYNCHCPHGWWGANCEIHLQWKSGHMAES  
 LTNMPRHSLYIIIGALCVAFILMLIILIVGICRISRIEYQSSRPAYEEFYNCRSIDSEFSNAIASIRHA  
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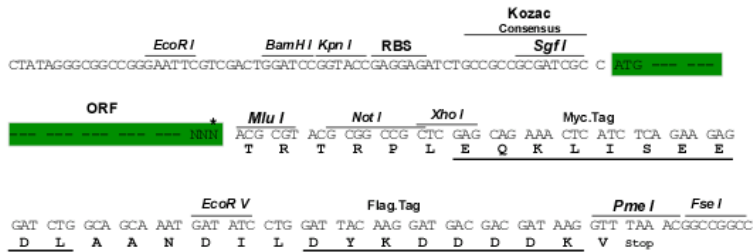
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk8120\\_b04.zip](https://cdn.origene.com/chromatograms/mk8120_b04.zip)

Restriction Sites: Sgfl-MluI

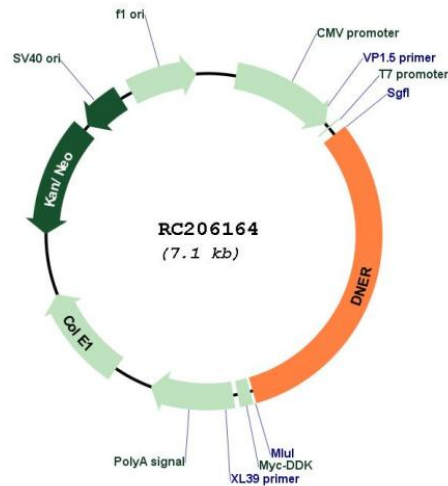
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_139072

ORF Size: 2211 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

RefSeq: [NM\\_139072.4](#)

RefSeq Size: 3272 bp

RefSeq ORF: 2214 bp

Locus ID: 92737

UniProt ID: [Q8NFT8](#)

Domains: EGF\_CA, EGF, EGF

Protein Families: Druggable Genome, Transmembrane

**MW:** 78.9 kDa

**Gene Summary:** Activator of the NOTCH1 pathway. May mediate neuron-glia interaction during astrocytogenesis (By similarity).[UniProtKB/Swiss-Prot Function]