

## Product datasheet for **RR201298**

### **Fign (NM\_001106484) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fign (NM_001106484) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fign
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR201298 representing NM\_001106484  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATCAGTAGCACCAGTGTATGGCTTGAAGATGCAGTGGACGCCGGAGCATGCCAGTGGCCAGAAC  
 AGCACTTTGATATCACCTCGACTACTCGGTCTCCCGCCACAAAGTTGAAGCCTATAGAGGTCATTTGCA  
 ACGCACCTACCAGTATGCCTGGGCGAATGATGACATATCTGCTCTGACTGCATCCAACCTTCTGAAAAA  
 TATGCAGAGAAATATTCTGGCATTGGAAGTCCCGTAGACCGACCTGTACTCAGCAATTATTCAGACA  
 CACCGTCGGGACTAGTGAATGGTCGAAAAATGATAGCGAACCTGGCAGTCTTCCTTGAATTCAGAAGC  
 CGTTTATCCTATGAACTGTTCGGATGTCATCACCGCCAGCAAAGCTGGTGTGAGTTCAGCCCTCCCT  
 CCAGTAGATGTCTCGCAAGTATAGGAAGCTCCCTGGGTGGCCAGCAACCTGACAGAACCAAGTTACT  
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 AGGATACAACGGATCGTATTTGCATTCTACTTACAGCAGCCAGCCACACCTGCATTCTTCGCCTCAT  
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 ATGCCCCACAACAGCATTCAAACCTCGAATCGGGGAAATGGCTTTGACAGAAATGCTGAAACATCATCT  
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 GGCTCTGACCCCTCCTTCTATAGTACTGCTAAAAATTCATTGGGATCAAGATCGAGTGAATCCTTTGGG  
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 GTCGGGACTCCGTGCAGCTACCTCATCAACCACTCCGTGGACGAGCAACTGAAGAATACTGACACGCA  
 CCTCATTGACCTGGTCACCAATGAGATCATCACCAAGGACCTCCTGTGGACTGGAGCGACATAGCTGGT  
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 GGCTGACAGCCTTACCTAGGAGCATCTTCTTTGGACCTCGGGGTACAGGCAAACACTATTGGGCAG  
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 CGAATTTCTGATGCAGCTGGACTGTACTGACTTCGGCTGAGGACCAAATCGTAGTCATTTGTGCCACC  
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 TTACATATCAAGACTTTGAAAATGCATTCTGCAAGATTCAGCCTAGCATATCTCAAAAAGAGCTTGATAT  
 GTATGTTGAATGGAACAAAATGTTTGGTTCAGTCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR201298 representing NM\_001106484  
 Red=Cloning site Green=Tags(s)

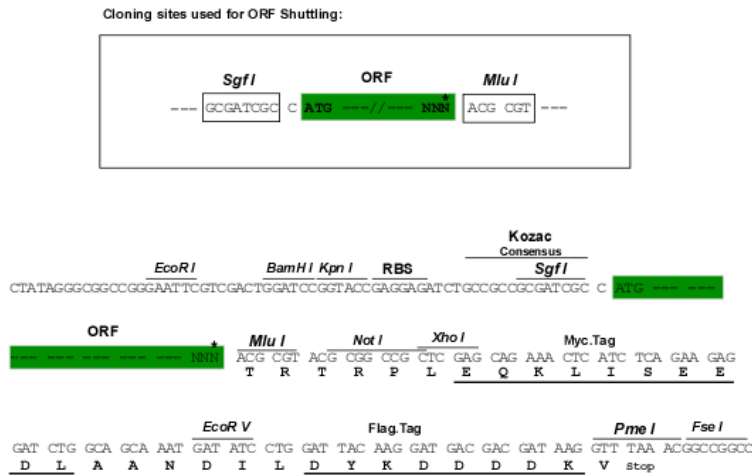
MISSTSVYGLKMQWTPEHAQWPEQHFDITSTTRSPAHKVEAYRGHLQRTYQYAWANDDISALTASNLLKK  
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 PVDVSASIGSSPGVASNLTEPSYSSTCGSHTVPSLHAGLPSQEYAPGYNGSYLHSTYSSQPTALPSPH  
 PSPLHSSGLLQPPPPPPPPALVPGYNGT SNLSSYSYPSASYPPTAVGSGYSPGGAPPPPSAYLPSGIP  
 APTPLPPTTVPGYTYQGHGLTPIAPSALTNSASLKRKAFYMGQGDMDSSYGNYSYGQRSTQSPMYR  
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 KYTSPVMSEHGDDHRQLLAHPIQGPGLRAATSSNHSVDEQLKNTDTHLIDLVTNEIITQGPPVDWSDIAG  
 LDLVKAIVKEEVLWVLRSDAFSGLTALPRSILLFGRGTGKTLGRCIASQLGATFFKIAGSGLVAKWL  
 GEAEKIIHASFLVARCRQPSVIFVSDIDMLSSQVSEEHSPVSRMRTEFLMQLDVTLSAEDQIVVICAT  
 SKPEEIDESLRRYFMKRLLIPLPDSTARHQIIVQLLSQHNYCLNDKEFALLVQRTEGFSGLDVAHLQCEA  
 AVGPLHAMPATDL SAIMPSQLRPITYQDFENAFCKIQPSISQKELDMYVEWNKMFGCSQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



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

**ACCN:** NM\_001106484

**ORF Size:** 2277 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.

**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\\_001106484.1](#), [NP\\_001099954.1](#)

**RefSeq Size:** 3388 bp

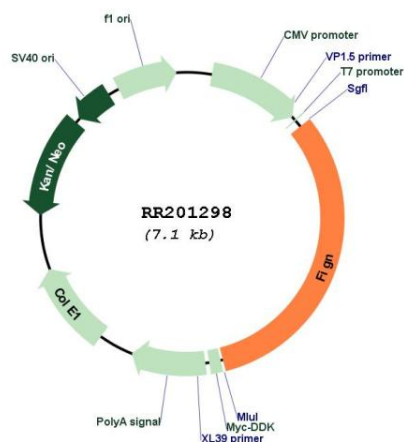
**RefSeq ORF:** 2280 bp

**Locus ID:** 295649

**Cytogenetics:** 3q21

**MW:** 82.1 kDa

Product images:



Circular map for RR201298