

## Product datasheet for MR205251

### Cryz11 (NM\_133679) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cryz11 (NM_133679) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cryz11
Synonyms:	2210407J23Rik; 2410006O11Rik; QOH-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205251 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGGCTTGTATTTTCAACAGAGTTCTACAAATGAAGAAGTAACATTTGTATTTCAAGAAAAGGAAA  
ATGTCCCTGTCACAGAGGATAACTTTGTGAGAGTTCAAGTTAAAGCTTGTGCCCTGAGCCACATAAACAC  
AAAGCTTCTAGCAGAAAATGAAGATGGAAAAGGATTTCTCCCTGTTGGAAGAGAAGTTTCTGGAATTGTA  
TTAGAGGTTGGCAGGAAGTAACGTTCTTTCAGCCAGACGACGAAGTGGTCGGAATTCGCCTTTGGATT  
CCGAAGACCCCGGCTCTGTGAGGTTATTCGAGTACATGAGCATTACCTGGTTCATAAGCCAGAAAAGGT  
GTATGGACGGAAGCTGCTGGCGTCATCCGGGACGGAGTCCGAGCCTGCACAGCTCTGTATTATCTTTCT  
CAACTCTCTCCTGAAAAGTCTGTGCTGATCATGGACGGGCAAGTGCATTTGGCACAATAGCCATTCAGT  
TAGCCACCACAGAGGAGCCAAGGTTATCTCAACAGCACACAGCCTGGAGGACAAGCAACATCTTGAAAAG  
GCTTAGGCCTTCTATAGCCCGTGTGATTGATGTGTCTAATGGGAAAGTCCATGTTGCTGAAAAGCTGTTTG  
GAGGAAACAGGTGGCCTGGGAGTAGATATTGTCATAGATGCAGGAGTGAGATTATATAGTAAAGATGATG  
AACCAGCTGTAAGTTACATCTGCCACATAAGCATGACATCATCACACTTCTGGTGTGGAGGCCATTG  
GGTAACAACAGAAGAAAACCTTCAGTTGGATCCTCCAGATAGCCACTGCCTTTTCTCAAGGAGCAACG  
GTGGCTTTCCTTAATGATGAAGTTTGGAAATTTGTCAAATGCACAACAGGAAAATATCTTTGTATCTTAA  
AAGATGTGATGGAGAAGTTATCAGCTGGTGTTCAGGCCTCTGCTCGATGAGCCATCCCACTGTATGA  
GGCAAAGTTTCCATGGAAGTTGTTTCAGAAAAATCAAGAAAAGAAAAGCAAGTCGTTCAATTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205251 protein sequence  
Red=Cloning site Green=Tags(s)

MKGLYFQQSSTNEEVTFVFQEKENVPVTEDNFVRVQVKACALSHINTKLLAEMKMEKDFFPVGREVSGIV  
 LEVGRKVTFFQPDDDEVGILPLDSEDPGLCEVIRVHEHYLVHKPEKVSWEAAGVIRDGVRCTALYYLS  
 QLSPGKSVLIMDGASAFGTIAIQLAHHRGAKVISTAHSLEDKQHLERLRPSIARVIDVSNQKVHVAESCL  
 EETGGLGVDIVIDAGVRLYSKDDEPAVKLHLPKHDIITLLGVGGHWVTEENLQLDPPDSHCLFLKGAT  
 VAFLNDEVWNLNAQQGKYLCILKDVMEKLSAGVFRPLLDEIPLYEAKVSMEVQKNQERKKQVVQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_133679

**ORF Size:** 1047 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\\_133679.2](#)

**RefSeq Size:** 1809 bp

**RefSeq ORF:** 1047 bp

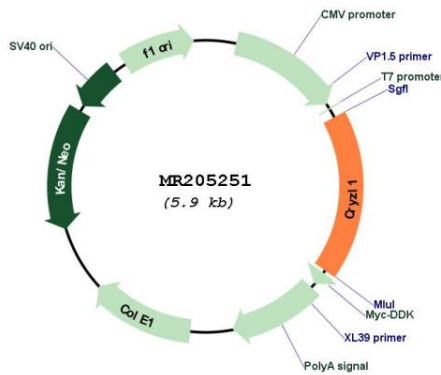
**Locus ID:** 66609

**UniProt ID:** [Q921W4](#)

**Cytogenetics:** 16 C4

**MW:** 38.7 kDa

**Product images:**



Circular map for MR205251