

## Product datasheet for **KN510490**

### Mtmr10 Mouse Gene Knockout Kit (CRISPR)

#### Product data:

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 linear donor
<b>Donor DNA:</b>	EF1a-GFP-P2A-Puro
<b>Symbol:</b>	Mtmr10
<b>Locus ID:</b>	233315



**Components:**

**KN510490G1**, Mtmr10 gRNA vector 1 in pCas-Guide CRISPR vector (GEI00002)

**KN510490G2**, Mtmr10 gRNA vector 2 in pCas-Guide CRISPR vector (GEI00002)

**KN510490D**, Linear donor DNA containing LoxP-EF1A-tGFP-P2A-Puro-LoxP:

The sequence below is cassette sequence only. The linear donor DNA also contains proprietary target sequence.

LoxP-EF1A-tGFP-P2A-Puro-LoxP (2739 bp)

```

ATAACTTCGT ATAATGTATG CTATACGAAG TTATCGTGAG GCTCCGGTGC CCGTCAGTGG GCAGAGCGCA CATCGCCCAC
AGTCCCCGAG AAGTTGGGGG GAGGGGTCGG CAATTGAACC GGTGCCTAGA GAAGGTGGCC CGGGGTA AAC TGGGAAAGTG
ATGTCGTGTA CTGGCTCCGC CTTTTTCCCG AGGGTGGGGG AGAACCGTAT ATAAGTCGAG TAGTCGCCGT GAACGTTCTT
TTTCGCAACG GGTTCGCGC CAGAACACAG GTAAGTGCCG TGTGTGGTTC CCGCGGGCCT GGCCTCTTTA CGGGTTATGG
CCCTTGCGTG CCTTGAATTA CTTCCACCTG GCTGCAGTAC GTGATTCTTG ATCCCGAGCT TCGGGTTGGA AGTGGGTGGG
AGAGTTCGAG GCCTTGCGCT TAAGGAGCCC CTTGCGCTCG TGCTTGAGTT GAGGCTGGC CTGGGCGCTG GGGCCGCCG
GTGCGAATCT GGTGGCACCT TCGCGCTGT CTCGCTGCTT TCGATAAGTC TCTAGCCATT TAAATTTTTT GATGACCTGC
TGCGACGCTT TTTTCTGGC AAGATAGTCT TGAAATGCG GGCCAAGATC TGCACACTGG TATTCGGTT TTTGGGGCCG
CGGGCGGCGA CGGGGCCCGT GCGTCCCAGC GCACATGTTC GGCGAGGCGG GGCTGCGAG CGCGGCCACC GAGAATCGGA
CGGGGTAGT CTCAAGCTGG CCGGCTGCT CTGGTGCCTG GCCTCGCGCC GCCGTGTATC GCCCCGCCCT GGGCGCAAG
GCTGGCCCGG TCGGCACCAG TTGCGTGAGC GAAAGATGG CCGCTTCCCG GCCCTGCTGC AGGGAGCTCA AAATGGAGGA
CGCGCGCTC GGGAGAGCGG GCGGGTGAAG CACCCACACA AAGGAAAAGG GCCTTCCGT CCTCAGCCGT CGCTTCATGT
GACTCCACGG AGTACCGGGC GCCGTCCAGG CACCTCGATT AGTTCGCGAG CTTTTGGAGT ACCTCGCTT TAGGTTGGGG
GGAGGGGTTT TATGCGATGG AGTTTCCCA CACTGAGTGG GTGGAGACTG AAGTTAGGCC AGCTTGGCAC TTGATGTAAT
TCTCCTTGA ATTTCCCTT TTTGAGTTG GATCTGGTT CATTCTAAG CCTCAGACAG TGGTTCAAAG TTTTTTTCTT
CCATTTACAG TGTCTGAAT GGAGAGCGAC GAGAGCGGCC TGCCCGCCAT GGAGATCGAG TGCCGCATCA CCGGACCCCT
GAACGGCGTG GAGTTCGAGC TGGTGGGCGG CGGAGAGGGC ACCCCGAGC AGGGCCGCAT GACCAACAAG ATGAAGAGCA
CCAAAGGCGC CCTGACCTTC AGCCCTACC TGCTGAGCCA CGTGATGGG TACGGCTTCT ACCACTTCGG CACTACCCC
AGCGGCTACG AGAACCCCTT CCTGCACGCC ATCAACAACG GCGGCTACAC CAACACCCG ATCGAGAAGT ACGAGGACGG
CGGCGTGCTG CACGTGAGCT TCAGCTACCG CTACGAGGCC GGCCGCGTGA TCGGCGACTT CAAGGTGATG GGCACCCGCT
TCCCGGAGGA CAGCGTGATC TTCACCGACA AGATCATCCG CAGCAACGCC ACCGTGGAGC ACCTGCACCC CATGGGCGAT
AACGATCTGG ATGGCAGCTT CACCCGCACC TTCAGCCTGC GCGACGGCGG CTACTACAGC TCCGTGGTGG ACAGCCACAT
GCACTTCAAG AGCGCCATCC ACCCCAGCAT CCTGCAGAAC GGGGGCCCCA TGTTGCTT CCGCCGCTG GAGGAGGATC
ACAGCAACAC CGAGCTGGGC ATCGTGGAGT ACCAGCACGC CTTCAAGACC CCGGATGCAG ATGCCGGTGA AGAAAGAGGA
AGCGGAGCTA CTAACCTCAG CCTGCTGAAG CAGGCTGGAG ACGTGGAGGA GAACCTGGA CCTATGACCG AGTACAAGCC
CACGGTGGC CTCGCCACC GCGACGACGT CCCAGGGCC GTACGCACC TCGCCGCCG GTTCGCCGAC TACCCGCCA
CGGCCACAC CGTCGATCC GACGCCACA TCGAGCGGT CACCGAGCTG CAAGAACTCT TCCTCACCG CGTCGGGCTC
GACATCGCA AGGTGTGGT CGCGGACGAC GCGCGCGCGG TGGCGTCTG GACCACGCC GAGAGCGTCG AAGCGGGGC
GGTGTTCGCC GAGATCGCC CGCGCATGGC CGAGTTGAGC GGTTCGCCG TGGCCGCCA GCAACAGATG GAAGGCCTCC
TGGCGCCGA CCGGCCAAG GAGCCCGCT GGTTCCTGCG CACCGTCCG GTCTGCCCC ACCACAGG CAAGGGTCTG
GCGAGCGCG TCGTCTCC CCGAGTGGAG GCGGCGGAG GCGCGGGGT GCCCGCTT CTGGAGACCT CCGCGCCCG
CAACCTCCC TTCTACGAGC GGCTCGGCTT CACCGTACC GCCGACGTC AGGTGCCGA AGGACCCGCG ACCTGGTGA
TGACCCGCAA GCCCGTGCC TGAAACTTGT TTATTGCAGC TTATAATGGT TACAAATAAA GCAATAGCAT CACAAATTC
ACAAATAAAG CATTTTTTTC ACTGCATTCT AGTTGTGGTT TGTCAAACT CATCAATGTA TCTTAATAAC TTCGTATAAT
GTATGCTATA CGAAGTTAT
    
```



**OTI Disclaimer:** These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.

**RefSeq:** [NM\\_172742](#)

**UniProt ID:** [Q7TPM9](#)

**Synonyms:** BB128963; C79734

**Product images:**

