

## Product datasheet for **MR205211**

### Usf2 (NM\_011680) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Usf2 (NM\_011680) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Usf2  
**Synonyms:** bHLHb12; Usf-2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR205211 representing NM\_011680  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACATGCTGGACCCGGTCTGGATCCCGCTTCTCGGCCACCGCTGCTGCCGCCAGCCACGACA  
AGGGACCCGAGGCCGAGGAGGGCGTTGAGCTGCAGGAAGCGGGACGGCCCGGGGCTGAGGAGCAGAC  
GGCGGTGGCCATCGCCAGTGTCCAGCAGCGCGTTCGGCGACCACAATATCCAGTACCAGTTCGTACA  
GAGAGTAATGGAGGCCAGGTGACATACCGCTAGTCCAGGTGACTGATGGTCAGCTGGACGGCCAGGGCC  
ACGCGGCCGGCGCGTACAGCTGTCCACCGCTGCCTTCGCGGGGGGCGAGCAGGCTGTGACCCAGGT  
GGGTGTGACGGGCAGCCAGCGCCCGCCCTGCCGCTGCCTCTGTACCCACAGGTCCCGCAGCACCC  
TCCCCGCTGGCTGTAATTCAAAATCCATTCAGCAATGGTGGCAGCCCGCGGGCCGAAGCTGTGACGGGG  
AGGCACGATTTGCTTATTTCCAGCATCCAGTGTGGGCGATACCACAGCTGTGTCTGTTCAAACACAGA  
CCAGAGCCTACAGGCCGAGGCCAGTTCATGTGATGATGACACCCAGGATGTGCTTCAGACAGGCACA  
CAGAGGACAATTCACCCCGGACACACCCTATTCTCCGAAAATTGATGGAACGAACTCCTCGAGATG  
AGAGAAGAAGAGCTCAGCACAATGAAGTGAACGGAGAAGGAGGGACAAGATCAACAACCTGGATCGTCCA  
GCTTTCCAAAATCATTCCAGATTGTGATGACAGACAAGCAAGACAGGAGCAAGTAAAGGGGGCATCCTG  
TCCAAGGCTTGCATTACATCCGGGAGCTACGCCAGACCAACAGCGCATGCAGGAGACCTCAAGGAGG  
CAGAGCGGCTGCAGATGGACAATGAGCTCCTCAGGCAGCAGATCGAGGAGCTGAAGAATGAGAATGCCCT  
GCTTCGAGCCAGCTACAGCAGCACAACCTGGAATGGTGGGCGAGGTACCCGGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9076\\_d09.zip](https://cdn.origene.com/chromatograms/mm9076_d09.zip)



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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_011680

**ORF Size:** 1038 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\\_011680.2](#), [NP\\_035810.1](#)

**RefSeq Size:** 2419 bp

**RefSeq ORF:** 1041 bp

**Locus ID:** 22282

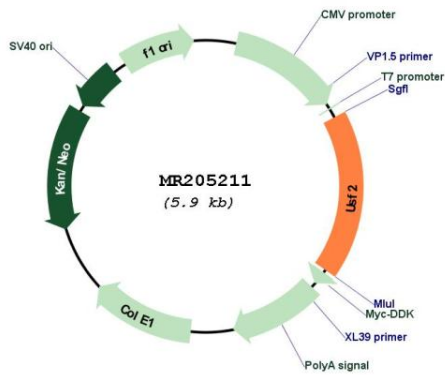
**UniProt ID:** [Q64705](#)

**Cytogenetics:** 7 19.27 cM

**MW:** 37.4 kDa

**Gene Summary:** Transcription factor that binds to a symmetrical DNA sequence (E-boxes) (5'-CACGTG-3') that is found in a variety of viral and cellular promoters.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR205211