

Product datasheet for **MG205211**

Usf2 (BC082995) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Usf2 (BC082995) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Usf2
Synonyms: bHLHb12; Usf-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205211 representing BC082995
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACATGCTGGACCCGGTCTGGATCCCGCTTCTCGGCCACCGCTGCTGCCGCCAGCCACGACA
 AGGGACCCGAGGCCGAGGAGGGCGTTGAGCTGCAGGAAGCGGGACGGCCGGGGGCTGAGGAGCAGAC
 GGCGGTGGCCATCGCCAGTGTCCAGCAGGCGGCGTTCCGGCACCACAATATCCAGTACCAGTTCGTACA
 GAGAGTAATGGAGGCCAGGTGACATACCGCGTAGTCCAGGTGACTGATGGTCAGCTGGACGGCCAGGGCC
 ACGCGGCCGGCGCGTACAGCGTGTCCACCGCTGCCTTCGCGGGGGGCGAGCAGGCTGTGACCCAGGT
 GGGTGTGACGGGGCAGCCAGCGCCCGCCCTGCCGCTGCCTGTACCCACAGGTCCCGCAGCACCC
 TTCCCGCTGGCTGTAATTCAAAATCCATTCAGCAATGGTGGCAGCCCGCGGGCCGAAGCTGTGACGGGG
 AGGCACGATTTGCTTATTTCCAGCATCCAGTGTGGGCGATACCACAGCTGTGTCTGTTCAAACCTACAGA
 CCAGAGCCTACAGGCCGAGGCCAGTTCATGTGCATGATGACACCCAGGATGTGCTTCAGACAGGCACA
 CAGAGGACAATTGCACCCCGGACACACCCTATTCTCCGAAAATTGATGGAACGAGAACTCCTCGAGATG
 AGAGAAGAAGAGCTCAGCACAATGAAGTGAACGGAGAAGGAGGGACAAGATCAACAACCTGGATCGTCCA
 GCTTTCCAAAATCATTCCAGATTGTGCATGCAGACAACAGCAAGACAGGAGCAAGTAAAGGGGGCATCCTG
 TCCAAGGCTTGCATTACATCCGGGAGCTACGCCAGACCAACAGCGCATGCAGGAGACCTCAAGGAGG
 CAGAGCGGCTGCAGATGGACAATGAGCTCCTCAGGCAGCAGATCGAGGAGCTGAAGAATGAGAATGCCCT
 GCTTCGAGCCAGCTACAGCAGCACAACCTGGAATGGTGGGCGAGAGTACCCGGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205211 representing BC082995
 Red=Cloning site Green=Tags(s)

```
MDMLDPGLDPASSATAAAAAASHDKGPEAEEGVELQEGGDGPGAEETAVAIASVQQAAGFDHNIQYQFRT
ESNGGQVTYRNVVQVTDGQLDQGDAAGAVSVVSTAAFAGGQAVTQVGVGDGAAQRPGPAAASVPTGPAAP
FPLAVIQNPF SNGGSPA AEAVSGEARFAYFPASSVGDTTAVSVQTTDQSLQAGGQFYVMMPQDVLQTGT
QRTIAPRTHPYSPKIDGTRTPRDERRRAQHNEVERRRRDKINNWI VQLSKIIPDCHADNSKTGASKGGIL
SKACDYIRELRQTNQRMQETFKEAERLQMDNELLRQQIEELKNENALLRAQLQQHNLEMVGESTRQ
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC082995

ORF Size: 1040 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: [BC082995](#), [AAH82995](#)

RefSeq Size: 1722 bp

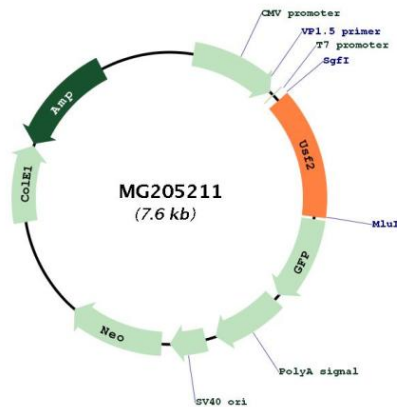
RefSeq ORF: 1040 bp

Locus ID: 22282

Cytogenetics: 7 19.27 cM

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 MG205211