

Product datasheet for **RR208066**

Usf2 (NM_031139) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Usf2 (NM_031139) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Usf2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208066 representing NM_031139
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACATGCTGGACCCGGGTCTGGATCCCCTTCTCGGCCACCGCTGCTGCCCGCCAGCCACGACA
AGGGACCCGAGGCCGAGGAGGGCGTTGAGCTGCAGGAAGCGGGGACGGCCCGGGGCTGAGGAGCAGAC
GGCGGTGGCCATCGCCAGCGTCCAGCAGCGGGCGTTCGGCGACCATAATATCCAGTACCAGTTCCGCACA
GAGAGTAATGGAGGCCAGGTGACATACCGCGTAGTCCAGGTGACTGATGGTCAGCTGGACGCCAGGGCG
ACGCGGCTGGCGCCGTCAGCGTCTGTCCACCGTGCCTTCGCAGGGGGCAGCAGGCTGTGACCCAGGT
GGGTGTGGACGGGGCAGCCAGCGCCCCGGCCCTGCCGCTGCCTCTGTACCCACAGGTCCCGCAGCACCC
TTCCCGCTGGCTGTAATTCAAAAATCCATTCAGCAATGGTGGCAGCCAGCAGCCGAAGCTGTGAGCGGGG
AGGCACGGTTTGCTATTTTCCAGCATCCAGTGTGCGGATACCACAGCTGTGTCTGTTCAAACACAGACA
CCAGAGCCTACAGGCCGAGGCCAGTTCTATGTCATGATGACACCCAGGATGTGCTTCAAACAGGAACA
CAGAGGACAATTGCACCCCGACACACCCTATTCTCCGAAAATTGATGGAACCAGAACTCCTCGAGATG
AGAGAAGAAGAGCTCAGACAATGAAGTGGAGCGGAGAAGGAGGGACAAGATCAACAACCTGGATTGTCCA
GCTTTCAAATAATCATTCCAGATTGTCATGACAGACAACAGCAAGACAGGGCGAGTAAAGGGGCATCCTG
TCCAAGGCTTGGATTACATCCGGGAGTACGCCAGACCAACCAGCGTATGCAGGAGACCTTCAAGGAGG
CAGAGCGGCTGCAATGGACAATGAGCTCCTGAGGCAGCAGATCGAGGAGCTGAAGAACGAGAACGCCCT
GCTTCGAGCCAACTGCAGCAGCACAACCTGAAATGGTGGGCGAGAGCACCCGGCAG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

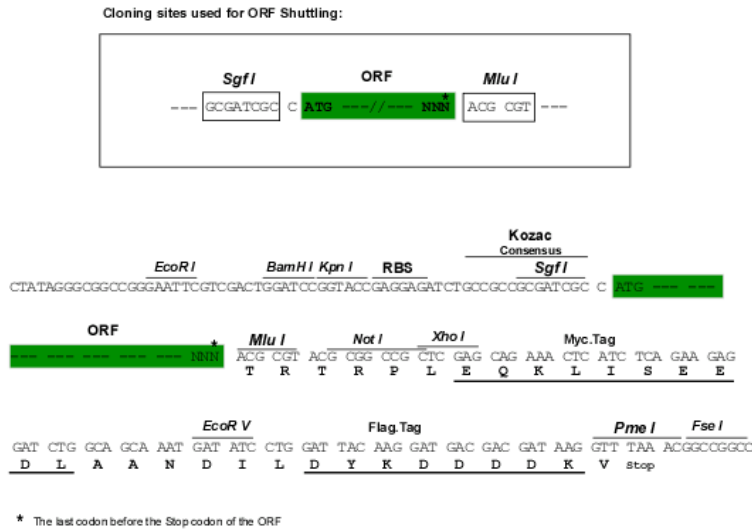
Protein Sequence: >RR208066 representing NM_031139
 Red=Cloning site Green=Tags(s)

MDMLDPGLDPASSATAAAAAASHDKGPEAEEGVELQEGGDGPGAEETAVAIASVQQAAGFDHNIQYQFRT
 ESNGGQVTVYRVVQVTDGQLDGQDAAGAVSVVSTAAFAGGQAVTVQVVDGAAQRPGPAAASVPTGPAAP
 FPLAVIQNPF SNGGSPA AEAVSGEARFAYFPASSVGDTTAVSVQTTDQSLQAGGFYVMMTPQDVLQTGT
 QRTIAPRTHPYSPKIDGTRTPRDERRRAQHNEVERRRRDKINNWI VQLSKIIPDCHADNSKTGASKGGIL
 SKACDYIRELRQTNQRMQETFKEAERLQMDNELLRQQIEELKNENALLRAQLQQHNLEMVGESTRQ

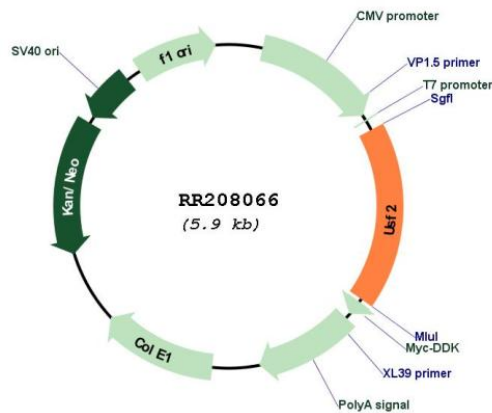
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031139

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:	<ol style="list-style-type: none">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_031139.1 , NP_112401.1
RefSeq Size:	2171 bp
RefSeq ORF:	1041 bp
Locus ID:	81817
UniProt ID:	Q63665
Cytogenetics:	1q21
MW:	37 kDa
Gene Summary:	ubiquitous transcription factor; may play a role in hormonal and dietary regulations [RGD, Feb 2006]