

## Product datasheet for **MG218932**

### Uts2 (NM\_011910) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Uts2 (NM\_011910) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Uts2  
**Synonyms:** pre; prepro-Ull; Ucn; Ucn2; Ull  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG218932 representing NM\_011910  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACAGGGTGCCCTTCTGCTGCCTGCTCTTCATAGGACTTCTGAATCCACTGCTGTCCCTTCCCGTCA  
 CGGACACTGGTGAGAGGACTCTTCAGCTTCCAGTGCTTGAGGAAGACGCTCTTCGGGCTCTGGAGGAGCT  
 GGAGAGGATGGCCCTCTGCAGACCTGCGTCAGACCATGGGCACGGAAGCAGGGGAGAGCCCTGGAGAA  
 GCAGGTCCAGCACTGAGACTCCCACTCCACGGGAAGCATGAGGAAGGCTTTCGCTGGGCAAAATTCTA  
 ACACTGTACTGAGTCGTCTCTTGCAAGAACCAGGAAACAACATAAGCAACACGGGGCTGCCCCAGAGTG  
 CTTCTGGAATACTGCATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG218932 representing NM\_011910  
 Red=Cloning site Green=Tags(s)

MDRVPFCLLLFIGLLNPLLSLPVTDGERTLQLPVLEEDALRALEELERMALLQTLRQTMGTEAGESPGE  
 AGPSTETPTPRGSMRKAFAQNSNTVLSRLLARTRKQHKQHGAAPCFWKYCI

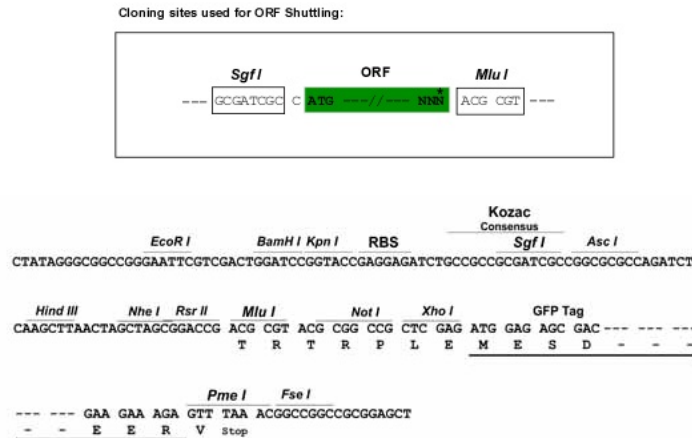
TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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## Cloning Scheme:



ACCN: NM\_011910

ORF Size: 369 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\\_011910.2](#), [NP\\_036040.1](#)

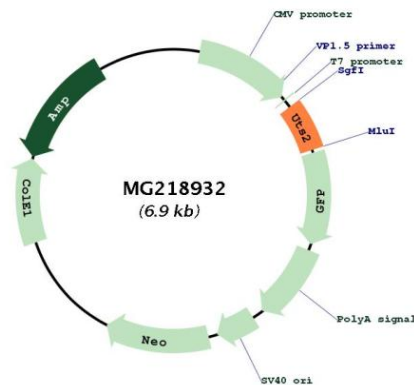
RefSeq Size: 538 bp

RefSeq ORF: 372 bp

Locus ID: 24111  
 UniProt ID: [Q9QZQ3](#)  
 Cytogenetics: 4 E2

**Gene Summary:** This gene encodes a member of the urotensin family of peptide hormones. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional hormone before secretion into the plasma. Mice lacking the encoded protein have a significantly decreased low density lipoprotein cholesterol profile and hepatic steatosis that is consistent with decreased hepatocyte de novo cholesterol synthesis and apolipoprotein B secretion. [provided by RefSeq, Sep 2016]

## Product images:



Circular map for MG218932