

Product datasheet for **MG223355**

Ube3c (NM_133907) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube3c (NM_133907) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ube3c
Synonyms: AI853514; mKIAA0010
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223355 representing NM_133907
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTTCAGCTTCGAAGGCGACTTCAAGACAAGGCCAAAGTGTCTCTCGGTGGCGGAGCAGGAAGGAAG
 AAAAGGCTTCTCTTTACATCGCACTCAGGAAGAAAGACGCAAGAGAGAGGAAGAAAGGCCAAGATTGAA
 AAATGCAGTAATAATCCAATCTTTATCCGAGGCTATAGAGACAGAAAACAACAATACTTCATCCAAAGA
 AGCGCGTTTGACCAATGCACTGACTCGGCTCAGCCTGGTGGTACCTTCTGCCTTGCTGATGGTCCCAACC
 TTACCCTCTGGTAAGGCAGCTTCTGTTCTTTACAAGCAGAGTGAAGACTCCAAACGTTTGATATGGCT
 TTATCAGAACTTAATTAACACAGCTCTCTGTTGTCAAGCAATTGGATGGATCAGAGAGACTGACATGC
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 ATGTTGCACTTCCAATGCGAATGCTTGAGGTGTTTACATCTGAGAATACATACTTGCTGTTTTACAAGA
 TTCTAGCTATGTGGTGTCAAGTATTGAACAAATTTGCACTACATGGTTCACAGTGGATATTATAGATCT
 CTCTACTTGTGATTAATAGCAAGCTTCCATCAAGTATTGAATATTCTGATTTATCTCGAGTTCCTATAG
 CAAAAATTTGCTGGAGAATGCCTAAAACCATGCACTTTACGTATAGCTCCTGCTGAAAGCCTCAAG
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 GTCATTCGGCCTTTGCAGATGCACAACTGTTCCTTATGAGCCCTTCTCAATGCATTGTTGTTT
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 AACACAGATGATCAGGATCTATGGTGCCATTGCTTCAGTTGATATCGCGGGTTCGCCATGTCTTTT



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GAAGATTCTAGTCGAATCATCCCCTCTTTTACCTCTTCAGCTCCTTGTTTCAGTCATTGCGTGATCTCCA
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TGATGAACCTGCTGAAGCTCCAGAGTTTTATGATGAAGCCCTGCTGCGAAGCAAGCTGCTGTATGCCA
TTGAGTGTGCTGCTGGCTTTGAGCTGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223355 representing NM_133907
Red=Cloning site Green=Tags(s)

MFSFEGDFKTRPKVSLGGASRKEEKASLLHRTQEERRKREEERRRLKNAVIIQSFIRGYRDRKQQYFIQR
SAFDQCTDSAQPGGTFCLADGPNLTLVLRQLLFFYKQSEDSKRLIWLQNLIKHSSLFVKQLDGSERLTC
LFQIKRMLSLCCRLQNCSDSLNVALPMRMLEVFSENTYLPVLQDSSYVVSIEQILHYMVHSGYYRS
LYLLINSKLPSSIEYSDLSRVPIAKILLEENVLKLPHFTYSSCPEASRHQVFAFTEEFLGAPFTDQIFHF
VIPAFADAQTVFPYEPFLNALLLLESQSSKRCSGVPWLFYFVLTVGENYLGALSEDGLLVYLRVLQTFLS
QLPASPTGTGCPDSTDSSEDDNEETDQPNSPEDGRVSAPYITEECLRKLDTKQQTNTLLNLVWRDSASEE
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EDSSRIIPLFYLFSSLFSSHLSISIHNEFFGDPTEVVGQRQSSMMPFTLEELILLSRCLRDAACLGIKLA
YPETKPEVREEYVTAFAQSIGVTTNSEMQQCIQMEQKRWVQLFKVITNLVKMLKSRDTRRNFPPNHWLSE
QEDIKADKVTQLYVPASRHVWFRMRIGPLQSTLEVGLLESLPLSVSEERQLAILTELPFVVPFEERVK
IFQRLIYADKQEVQGDGPFLDGINVTIRRNYIYEDAYDKLSPENEPDLKKRIRVHLLNAHGLDEAGIDGG
GIFREFLNELLSGFNPNQGFKTTNEGLLYPNPAAQMLVGDSFARHYYFLGRMLGKALYENMLVELPFA
GFFLSKLLGTSADVDIHHLASLDPEVYRNLLFLKSYEEDVEELGLNFTVVNNDLGEAQVVELKFGGKDIP
VTGANRIAYIHLVADYRLNKQIRPHCLAFRQGLANVVSLEWLRMFDQEQEIQVLSGAQVPSLEDLKSFT
NYSGGYSADHPVIKIFWRVVEGFDEEKRLLKFTVSCSRPPLLGFKELYPAFCIHNGGSDLERLPTAST
CMNLLKLPEFYDEALLRSKLLYAIECAAGFELS

TRTRPLE - GFP Tag - V

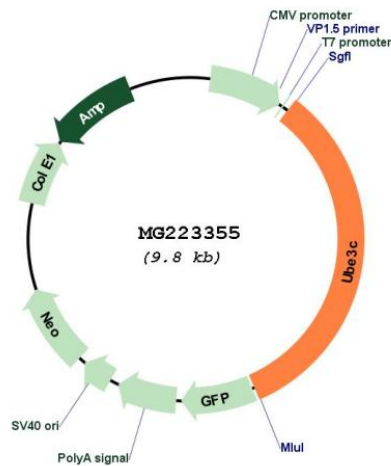
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_133907

ORF Size: 3249 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.

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| 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: | <u>NM_133907.3</u> , <u>NP_598668.1</u> |
| RefSeq Size: | 5033 bp |
| RefSeq ORF: | 3252 bp |
| Locus ID: | 100763 |
| UniProt ID: | <u>Q80U95</u> |
| Cytogenetics: | 5 B1 |
| Gene Summary: | E3 ubiquitin-protein ligase that accepts ubiquitin from the E2 ubiquitin-conjugating enzyme UBE2D1 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Can assemble unanchored poly-ubiquitin chains in either 'Lys-29'- or 'Lys-48'-linked polyubiquitin chains. Has preference for 'Lys-48' linkages. It can target itself for ubiquitination in vitro and may promote its own degradation in vivo.[UniProtKB/Swiss-Prot Function] |