

Product datasheet for MR223355

Ube3c (NM_133907) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ube3c (NM_133907) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ube3c
Synonyms:	A1853514; mKIAA0010
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223355 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGTTTCAGCTTCGAAGGCGACTTCAAGACAAGGCCAAAGTGTCTCTCGGTGGCGGAGCAGGAAGGAAG
AAAAGGCTTCTCTTTACATCGCACTCAGGAAGAAAGACGCAAGAGAGAGGAAGAAAGGCCAAGATTGAA
AAATGCAGTAATAATCCAATCTTTATCCGAGGCTATAGAGACAGAAAACAACAATACTTCATCCAAAGA
AGCGCGTTTGACCAATGCACTGACTCGGCTCAGCCTGGTGGTACCTTCTGCCTTGCTGATGGTCCCAACC
TTACCCTCTTGGTAAGGCAGCTTCTGTTCTTTACAAGCAGAGTGAAGACTCCAAACGTTTGATATGGCT
TTATCAGAACTTAATTAACACAGCTCTCTGTTGTCAAGCAATTGGATGGATCAGAGAGACTGACATGC
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ATGTTGCACTTCCAATGCGAATGCTTGAGGTGTTTACATCTGAGAATACATACTTGCCCTGTTTTACAAGA
TTCTAGCTATGTGGTGTGAGTATTGAACAAATTTGCACTACATGGTTCACAGTGGATATTATAGATCT
CTCTACTTGTGATTAATAGCAAGCTTCCATCAAGTATTGAATATTCTGATTTATCTCGAGTTCCTATAG
CAAAAATTTGCTGGAGAATGCCTAAAACCATGCACTTTACGTATAGCTCCTGCTGAAAGCCTCAAG
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TTGAGAGTCAAAGTTCAAACGGTGTAGTGGAGTGCCATGGCTCTTCTATTTTGTTTAACTGTTGGCGA
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AACACAGATGATCAGGATCTATGGTGCCATTGCTTCAGTTGATATCGCGGGTTCGCCATGTCTTTT



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GAAGATTCTAGTCGAATCATCCCCTCTTTACCTCTTCAGCTCCTTGTTTCAGTCATTGCGTGATCTCCA
TACATGACAATGAATTTTTTGGTGACCCCATAGAAGTTGTAGGTCAGAGACAATCATCCATGATGCCTTT
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TGCATGAAGCTGCTGAAGCTCCAGAGTTTTATGATGAAGCCCTGCTGCGAAGCAAGCTGCTGTATGCCA
TTGAGTGTGCTGCTGGCTTTGAGCTGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223355 protein sequence
Red=Cloning site Green=Tags(s)

MFSFEGDFKTRPKVSLGGASRKEEKASLLHRTQEERRKREEERRRLKNAVI IQSFIRGYRDRKQQYFIQR
SAFDQCTDSAQPGGTFCLADGPNL TLLVRQLLFFYKQSEDSKRL IWL YQNL IKHSSLFVKQLDGSERLTC
LFQIKRMLSLCCRLLQNCSDSLNVALPMRMLVFTSENTYLPVLQDSSYVVSIEQILHYMVHSGYYRS
LYLLINSLPSSIEYSDLSRVPIAKILLENVLPKPLHFTYSSCPEASRHQVFAFTEEF LGAPFTDQIFHF
VIPAFADAQTVFPYEPFLNALLLLESQSSKRCSGVPWLFYFVLT VGENYLGAL SEDGLLVYLRVLQTFLS
QLPASPTGTGCPDSTDSSEDDNEETDQPNSPEDGRVSAPYITEECLRKLDTKQQTNTLLNLVWRDASEE
VFTRMASICHTLMVQHRMMVPKVRLLYSLAFNARFLRHLWFLISSMTTQMITGSMVPLLQLISRGSMPMSF
EDSSRIIPLFYLFSSLFSHLSISIHNEFFGDP IEVVGQRQSSMPPTLEELIILSRCLRDAACLGIIKLA
YPETKPEVREEYVTAFAQSIGVTTNSEMQQCIQMEQKRWWQLFKVITNLVKMLKSRDTRRNF CPPNHWS
QEDIKADKVTQLYVPASRHVWFRMRMGRIGPLQSTLEVGLLESLPLSVSEERQLAILTELFPVVPFEERVK
IFQRLIYADKQEVQDGPFLDGINVTIRRNYIYEDAYDKLSPENEPDLKKRIRVHLLNAHGLDEAGIDGG
GIFREFLNELLKSGFNPNQGFKTTNEGLLYPNPAAQMLVGDSFARHYYFLGRMLGKALYENMLVELPFA
GFFLSKLLGTSADVDIHHLASLDPEVYRNLLFLKSYEEDVEELGLNFTVNNNDLGEAQVVELKFGGKDIP
VTGANRIAYIHLVADYRLNKQIRPHCLAFRQGLANVVSLEWLRMFQDQEQEIQVLSGAQVPVSLDLKSFT
NYSGGYSADHPVIKIFWRVVEGFTDEEKRLKLFVTSCSRPPLLGFKELYPAFCIHNGGSDLERLPTAST
CMNLLKLPEFYDEALLRSKLLYAIECAAGFELS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_133907

ORF Size: 3252 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_133907.3](#), [NP_598668.1](#)

RefSeq Size: 5033 bp

RefSeq ORF: 3252 bp

Locus ID: 100763

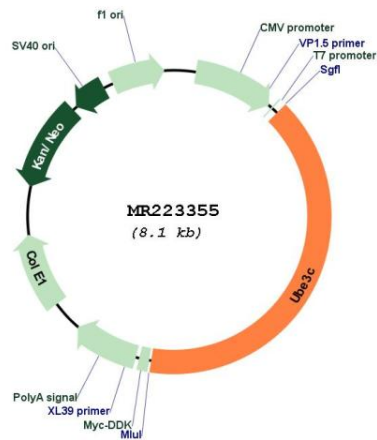
UniProt ID: [Q80U95](#)

Cytogenetics: 5 B1

MW: 124 kDa

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]

Product images:



Circular map for MR223355