

Product datasheet for MC202831

Ube2a (NM_019668) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2a (NM_019668) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ube2a
Synonyms: HHR6A; HR6A; Mhr6a
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC026053 sequence for NM_019668
 CCACGCGTCCGGCGCAGTGCCGTCCTCTCGGCGCCTCCTCGGCTTCTCCGGCTTCTCCGGCTTCTCCG
 GGGACCGCGGACCCTGGTATATGCCGACTGCTGAGCCCGCTAAAGCCATGTCGACCCCGCCCGCGCC
 GCCTCATGAGGGACTTCAAGAGGTTACAGGAAGATCCTCCGGCCGAGTGAGCGGGCTCCGTCGGAGAA
 CAACATAATGGTTTGAATGCGGTCATTTTTGGGCCCGAAGGGACCCCGTTTGAGGATGGAACATTTAAG
 CTTACAATTGAATCACTGAAGAGTATCCTAATAAGCCACCTACTGTTAGATTTGTCTCTAAGATGTTCC
 ATCCTAACGTCTATGCAGATGGTAGTATATGTCTGGATATACTTCAGAACCCTGGAGTCCAACCTATGA
 TGTGTCTTCCATTTAACGTCCATACAGTCTCTATTGGATGAACCTAATCCCAATAGTCCAGCAAACAGC
 CAGGCTGCCAGCTGTACCAGGAGAACAAGCGGGAATATGAAAAGCGTGTCTGCAATAGTAGAACAAA
 GCTGGCGGACTGTTGACTCAGGTAGAGCAGAAGAAGAGGCTGGCCATAAGAAAAATGTATATTGATGC
 ATTTATCACCTTATTCCTAATTCATTACATTTACTTTATTAATAAAACAAAATAGCTGTTGTGCTGTTCTG
 TCTTCCCTTGGCAAGTTTTTCTTCCCTTCTGTCTCCTGTGGAGCATCAGAGATATTATTTGAAATCC
 AATGTAAGTGTACCTGGGTTACTTGCAAACATTACAATTGCATATGTCCCTTTGTTGTATCTCATCTCCAG
 CCTCAAAGCAGTTATCAGGTTACTGTACTTTTTATACTAAGCTTTTAAGATAAAATATTATGTATAGTCT
 GGTGACCAGGATGTTATTTGTAACAAAATGATTGCTGCTGTGTTTCATCCTGGCCATTCTTCCCTTGTA
 TTTGATTTGGCAAAGAATGTATTTAGAATATGACCTAAAGAAAACAGGAATACATTCATATAAACAATAT
 TTGAAAGGGGAAGGAAAGCTGAAAAACCCTATACTCATTGTAAGCAATATGAACATGAACATAAAGATG
 GCATTTACTGGTAGCAAGGAGACTGCTAAAGACCCAGCTAACAACTGAAGCAATTTTAATAACTGACA
 CAGTCCACTTTGTGCGAGATATTCATAGTGAAGCGCATTTCTGTTTCGGAATTTGCGCCTTCAGAGTTGT
 TTTTTATAGAGGTGTAAGAACAGGACTAGACTTTTTTTTTAAAGTTAGGAAAAACCGAAGATCCTCTATTC
 TCTTAAAGGAGCAGTGTGCCCCTAAATGAACCTTCTTTTTATGATTCACGGAAGGGAGTGTATCTTGCA
 AACTTTTCCCATTCAAATCCTGAGTTAATGCTGCATGCTTTCAGTGTGTTGAGAACCTTCTATTGCCAT
 ATCTGCAATTTTTCTTTGAATATTTACTTTTTAAATATACAGTATGGGGCAAGGCTTGTAAATGTTTT
 GTCTAATATATTTTCATTGTTAATCTATTATGCATTTATAGCATTCTAACTTTGCACAAGTAACCCATG
 TAAAACTGTACATTTTCAAAGTTGTAATAAAAAAATAACCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA



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Restriction Sites:	RsrII-NotI
ACCN:	NM_019668
Insert Size:	459 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC026053 , AAH26053
RefSeq Size:	1744 bp
RefSeq ORF:	459 bp
Locus ID:	22209
UniProt ID:	Q9Z255
Cytogenetics:	X A3.3
Gene Summary:	<p>Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In association with the E3 enzyme BRE1 (RNF20 and/or RNF40), it plays a role in transcription regulation by catalyzing the monoubiquitination of histone H2B at 'Lys-120' to form H2BK120ub1. H2BK120ub1 gives a specific tag for epigenetic transcriptional activation, elongation by RNA polymerase II, telomeric silencing, and is also a prerequisite for H3K4me and H3K79me formation. In vitro catalyzes 'Lys-11', as well as 'Lys-48'-linked polyubiquitination. Required for postreplication repair of UV-damaged DNA.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>