

Product datasheet for **MR210961**

Ube4a (NM_145400) Mouse Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Ube4a (NM_145400) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ube4a |
| Synonyms: | 4732444G18Rik; 9930123J21Rik; UFD2b |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR210961 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTGAGCAACTCAACATCAATCACATGATCCAGAGGATCTTCTCATCACCTGGACAACAGTGATC
 CAAGCTTGAAAAGCGGGAATGGCATCCCCAGCCGTTGTGTGACTTGGAAGAAATGGCAGTAGAGCTGGA
 AGATCAAGACTGGCTTGATATGAGCAATGTTGAGCAGGCCATCTTTGCTCGATTATTGCTCAAGATCCA
 GAAACCACCTTGATCAGCATGACTTCTCCACAACCTTTAAATCTCTGCTGATCGTGATGCAGGAGAGA
 GGCACATCTTCTGTTACCTTTACTCCTGCTCCAGAGAGCCAAGGAAGAGATTACCAAAGTTCCAGAAAA
 CCTACTCCCTTTGCAGTGCAGTGCAGAAACCTCACTGTGTCCAACACTCGAACAGTTTCTCTCACCCCA
 GAGATCTATGTTGACCAAAACATCCATGAGCAACTGGTAGATTTGATGTTGGAAGCTATTCAGGGAGCCC
 ATTTTGAAGATGTAAGTGAATTTTTAGAAGAGGTCATTGAAGCCTTGCTGTTGGATGAGGAGTTTGAAC
 ATTTCTGAAGTCATGATTCCAGTGTGATTTTTACTCAGCCGAATAAAGATCTGGAAGCTCTGCCAG
 ATCCTCCTGTATGCATATCTGGACATTCTCTCTATTTCACTAGGCAGAAAGGATATGGCCAAAGGTGTTTT
 TAGAATACATTACGCCAAGGATCCCAGCAATGGCAGATGTATCAGAAGACCTTGCTGGGAGTCATCCT
 GAATATCTCGTGCTTGTAAAGACTCCGGGTGTGGTAGAGAACCATGGCTTCTTCTGAATCCATCCCGT
 TCCAGTCTCAGGAGATCAAAGTACAGGAGGCCAACATCCATCAGTTCATGGCTCAGTCCATGAAAAGA
 TCTACCAGATGCTGAAGAAGTGTCCAGCTCTCTCCAGAAACCAAGCACTGTATCTTGTCTGGCTTGG
 AAAGTGTGTCATGCAATGCAGGCCGACCAAGATCTGGGCCAATCAGATGCCCGAAATCTTCTCCAA
 ATGTATGCCTCGGATGCCTTCTTCTGAATCTGGGTGCTGCCCTCCTGAAGCTGTGCCAGCATTCTGCA
 AGCCAGATCCTCCCGCTCCTCACCTTAAACCCACGTAAGTGTCTCAAGGACTTGAATGAAGA
 ACGAAAAATTAAGTGTGCATATGAGAGGTTTGGACAAGGAGACCTGTCTGATCCAGCTGTGCAGGAG
 CCAATGTTCCCCAGAGCTACAACCTTGTGACGGAGAACCCTGGCCCTGACAGAGTATACCTGTACTTGG
 GATTTACAGGTTGCATGATCAGATGGTAAAAATCAACAAAAATCTGCATCGGCTGCAGGTTGCCTGGCG
 GGATGCTCAGCAGAGTTCTAGCCCTGCTGCTGACAATCTCCGTGAGCAGTTCGAACGCCTGATGACCATC
 TATCTCTACCAAGACTGCTATGACTGAACCCAGATGCTGCAAACTGTCTGAATTTGCAGGTGTCCA
 TGGCTGTTCTGCTGGTTCAACTGGCCATAGGCAATGAGGGCTCCAGCCAATAGAAGTAAAGTTCCCTTT
 GCCAGATGGCTACAGCTTTGGCTTATGTGCCAGAATTTTTGCAGATAACTTGGGTGATTTCTCATT
 TTCTCCGGCGCTTTGCTGAGGACATCTGGAGACGTCAGCAGACTCCCTGGAGCATGTCCTTCATTTTA
 TACCATTTTCACTGGAAGCATAGAAAGAATGAAGAATCCTCACCTGAGGGCCAAACTAGCAGAGGTGTT
 AGAAGCAGTGATGCCTCACCTAGACCAGACCCCAAGCCCTTGGTGTCCAGTGTGTTCCACCGAAACGT
 GTGTTCTGCAACTTTCCATACGCTCCCCAAGTGCAGAAGCTTTGATCAAGGTGTTTGTGGACATCGAGT
 TTACAGGGGACCCCATCAATTTGAACAGAAGTTAATTACCGCCGCTCTATGTATCCCATCCTAAGATA
 CATGTGGGGACAGATTGCTATCGGGAGAGCATTAAAGGATTTGGCTGACTATGCCTTAAGAATTTAGAA
 GCTATGAATCCCCACTGTTCTCCGATTTCTAACCTGTTAATGAATGATGCTATCTTCTTTTGGATG
 AAGCCATACAGTATTTGAGCAAGATAAAGATTCAGCAGATTGAGAAAGACCGAGGAGAATGGGAGAGTCT
 GACACCAGAAGCCCGCCGAGAGAAAGGCGAGGCTGTCAGATGTTTGGCAGCTGGCACGGTTCCATAAC
 ATCATGTCCAATGAAACAATTGGTACCCTTTCTTCTGACATCAGAGATCAAGTCGCTGTTTGTGCATC
 CGTTCCTGGCCGAGCGCATCTCCATGCTCAACTACTTCTGACGACCTGGTGGGCCCAAGATGGG
 TGCCCTCAAAGTCAAGGACTTCAGCGAATTTGACTTCAAACCTCAGCAGCTCGTATCAGACATCTGCACT
 ATCTACTTAAATCTTGGGTATTTGAGATTGGTGTGAGAAAGCCA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210961 protein sequence
 Red=Cloning site Green=Tags(s)

MCEQLNINHMIQRIFLITLDNSDPSLKSGNGIPSRVYLEEMAVELEDQDWLDMSNVEQAI FARLLLQDP
 GNHLISMTSSSTLNL SADR DAGERHIFCYLYSCFQRAKEEITKVPENLLPFAVQCRNLT VSNTRTVLLTP
 EIYVDQNIHEQLVDLML EAIQGAHFEDVTEFLEEIV EALLLDEEVRTFPEVMIPVFDILL SRIKDLELCQ
 ILLYAYLDILLYFTRQKDMAKVFLEYIQPKDPSNGOMYQK TLLGVILNISCLLKT PGVVENHGFFLNPSR
 SSPQEIKVQE ANIHQFMAQFHEKIYQMLKNLLQLSPETKHCILFWLGNCLHANAGR TKIWANQMPEIFFQ
 MYASDAFFLNLGAALLKLCQPFCKPRSSRLLTFNPTYCVLKDLDNDEERKIKSVHMRGLDKETCLIPAVQE
 PMFPQSYNLVTENLALTEYTYLGFHRLHDQMVKINQNLHRLQVAWRDAQSSSPAADNLREQFERLMTI
 YLSTKTAMTEPQMLQNCLNLQVSMVLLVQLAIGNEGSQPIELSFPLPDGYSSLA YVPEFFADNLGDFLI
 FLRRFAEDILETSADSLEHVLHFITIFTGSIERMKNPHLR AKLAEVLEAVMPHLDQTPSPLVSSVFHRKR
 VFCNFPYAPQLAEALIKVFDIEFTGDPHQFEQKFN YRRPMYPILRYMWGTD CYRESIKDLADYASKNLE
 AMNPPLFLRFLNLLMND AIFLLDEAIQYLSKIKIQQIEKDRGEWESLTP EARREKEAGLQMFGLARFHN
 IMSNETIGTLSFLTSEIKSLFVHPFLAERII SMLNYFLQHLVGPKMGALKVKDFSEDFK PQQLVSDICT
 IYLNLYLRLVLRKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

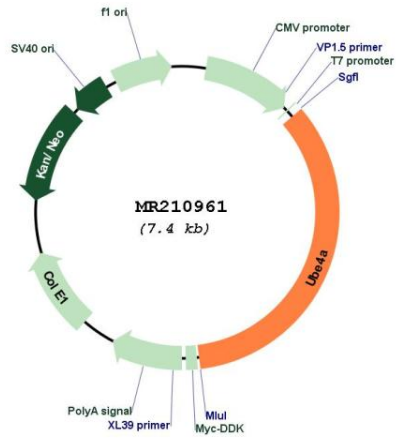
SgfI-MluI

Cloning Scheme:



| | |
|-------------------------------|---|
| ACCN: | NM_145400 |
| ORF Size: | 2568 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_145400.2 , NP_663375.2 |
| RefSeq Size: | 6067 bp |
| RefSeq ORF: | 3087 bp |
| Locus ID: | 140630 |
| UniProt ID: | E9Q735 |
| Cytogenetics: | 9 A5.2 |
| MW: | 98.8 kDa |
| Gene Summary: | Ubiquitin-protein ligase that probably functions as an E3 ligase in conjunction with specific E1 and E2 ligases. May also function as an E4 ligase mediating the assembly of polyubiquitin chains on substrates ubiquitinated by another E3 ubiquitin ligase. Mediates 'Lys-48'-linked polyubiquitination of substrates.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR210961