

## Product datasheet for RN210715

### Ube4a (NM\_207610) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ube4a (NM_207610) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ube4a
Synonyms:	Ab2-232
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN210715 representing NM_207610 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACAGACCAGGAGAATAACAACAACATCTCAAGTAACCCCTTTGCTGCTCTTTTTGGCTCCCTGGCTG  
ATGCCAAGCAGTTTGCAGCAATCCAAAGAGCAGCTGAAACAGCAGTCTGATGAGCTCCAGCAAGCCC  
AGATGACTCAGATAATAGTGTGTCGGAGAGCCTGGATGAGTTTGACTACTCAGTGTCTGAGATCAGCCG  
TCTTCCGGACACATCAAGAAATGTGTGAACAACCAACATCAATCACATGATCCAAAGGATCTTCTCTCA  
TACTCTGGACAACAGTATCCAACTTGAAGTGGAAACGGCATCCCCAGTCGGTGCCTGACTTGGGA  
AGAAATGGCAGTGGAGCTGGAAGATCAAGACTGGCTGGATATGAGCAACGTGGAGCAGGCCATCTTTGCT  
CGGTTACTGCTTCAAGATCCAGGAAACCACTTGTATCAGCATGACTTCTCTGCACTTTAAACCTCTCTG  
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GATTACCAAAGTCCAGAAAACCTACTCCCTTTGCAGTGCAGTGCAGAAACCTCACTGTGTCCAACACG  
CGAACAGTCTCCTCACCCAGAGATCTATGTTGACCAAAACATCCATGAGCAACTGGTAGACTTGATGT  
TGAAGCTATTCAGGGAGCCCATTTTGAAGATGTGACTGAGTTTTTGAAGAGGTCATTGAAGCCTTGCT  
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TTCTTCTGAATCCATCCGTTCCAGTCTCAGGAGATCAAAGTACAGGAGGCCAACATCCATCAGTTCA  
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CAAGGACTTGAATGATGAAGAACGAAAAATTAAGTGTACATATGAGAGGTTTAGACAAGGAGACCTGT  
CTGATCCCAGCTGTGCAGGAGCCAGTGTCCCCAGAGCTACAATCTGGTGACCGAGAACCTGGCCCTGA



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CCGAGTATACCTTGTACTTGGGATTTACAGGTTGCATGATCAGATGGTAAAAATCAACCAAAATCTGCA
TCGGCTGCAGGTTGCCTGGCGAGATGCTCAGCAGAGTTCTAGCCCTGCTGCTGACAATCTCCGTGAGCAG
TTCGAGCGCCTGATGACCATCTATCTCTACCAAGACTGCAATGACTGAACCCAGATGCTGCAGAACT
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AGGACGGACGTTCCATTTCCCTACTCTCTTGGCAGACAGTCCGAGTCTGAAGAAAAATCAATAAGCC
CGGGAATATGATCGTGGCTTTCAGTAACTTGGCAGAGAGAATCAAGTCTCTTGCAGACCTCCAACAACA
GAGGAGGAGACATATGCAGATGCCTGCGATGAGTTCCTGGACCCCATCATGAGCACACTGATGTCTGACC
CTGTGGTGCTTCCGTCTCCAGAGTCACTGTGGACGGATCCACCATCGCCAGGCATTTACTCAGTGACCA
AACAGATCCTTTAATCGTAGTCCCCTTACCATGGACCAGATCCGGCCAAACACAGAAGTAAAGAAAAA
ATTCAACGGTGGCTTGCAGAGAGGAAGCAACAAAAGGAGCAGCTTGAATAA

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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_207610
- Insert Size:** 3201 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:**
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\\_207610.1](#), [NP\\_997493.1](#)
- RefSeq Size:** 6041 bp

RefSeq ORF: 3201 bp

Locus ID: 315608

UniProt ID: [Q6P7A2](#)

Cytogenetics: 8q22

**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]