

Product datasheet for **MC209612**

Ube2i (NM_001177609) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2i (NM_001177609) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ube2i
Synonyms: 5830467E05Rik; F830028O17Rik; UBC9; Ubce2i; Ubce9
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209612 representing NM_001177609
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCGGGGATCGCCCTCAGCCGCCTTGCAGGAAAGGAAAGCCTGGAGGAAGGACCACCCCTTTGGCT
TTGTAGCTGTCCCAACAAGAACCCTGATGGCACAATGAACCTGATGAACCTGGGAGTGCCTATCCCTGG
AAAGAAGGGGACTCCATGGGAAGGAGGCTTGTTCAAGCTACGGATGCTTTTCAAAGATGACTATCCGTCC
TCACCACCAAAATGTAAATTTGAGCCCCACTGTTTCATCCAAACGTGTATCCTTCTGGCACAGTGTGCC
TGTCATCCTGGAGGAAGACAAGGACTGGAGGCCAGCTATCACCATCAAACAGATCTTATTAGGAATACA
AGAACTTCTAAATGAACCAAAATATTCAAGACCCAGCTCAAGCAGAGGCCCTACACAATTTACTGCCAAAAC
AGAGTGGAAATAGAGAAAAGGTCCGAGCACAAGCGAAGAAGTTTGCCCCCTCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001177609
Insert Size: 477 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).



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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_001177609.1</u> , <u>NP_001171080.1</u>
RefSeq Size:	3227 bp
RefSeq ORF:	477 bp
Locus ID:	22196
UniProt ID:	<u>P63280</u>
Cytogenetics:	17 A3.3
Gene Summary:	<p>Accepts the ubiquitin-like proteins SUMO1, SUMO2 and SUMO3 from the UBLE1A-UBLE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of an E3 ligase such as RANBP2, CBX4 and ZNF451. Can catalyze the formation of poly-SUMO chains. Essential for nuclear architecture, chromosome segregation and embryonic viability. Necessary for sumoylation of FOXL2 and KAT5 (By similarity). Sumoylates p53/TP53 at 'Lys-386'. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents the longest transcript. Variants 1-4 encode the same protein.</p>