

Product datasheet for **MC207614**

Ube2t (NM_026024) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2t (NM_026024) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ube2t
Synonyms: 2700084L22Rik; C80607
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC207614 representing NM_026024
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGAGAGCCTCAGCCTGAAGAAGGAAGTGCACATGCTAGCCATCGAACCTCCCCGGGCATCACGT
 GCTGGCAGGAAAAGGATCAAGTGGCTGATTTGCGAGCTCAAATACTAGGTGGAGCTAATACACCTTATGA
 GAAAGGTGTTTTCACTGGAAGTTATCATTCTGAGAGGTACCCATTTGAACCTCCACAGGTCGGATTT
 CTAATCCAATCTATCATCAAACATTGATTCTAGTGAAGGATTTGTCTAGATATTCTCAAATTGCCAC
 CAAAGGGTGCATGGAGACCATCCCTCAACATTGCCACTGTATTGACCTCTATTCAGCTGCTCATGGCAGA
 ACCCAATCCTGATGACCCACTAATGGCTGACATTTCTTCAGAATTTAAATATAACAAGATAGCTTTTCTC
 AAGAAAGCCAAGCAGTGGACAGAGGCTCATGCAAGACAGAAAACAAAAGGCTGATGAAGAGGAGCTAGGCA
 CCTCATCAGAAGTTGGTGACTCTGAGGAAAGCCATTCCACACAGAAAAGGAAGGCCAGGCCATTAGGAGG
 AATGGAAAAAAGTTTTCCCTGACGTTTCAGAGAGTCTATCCTGGTCCCTCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_026024
Insert Size: 615 bp



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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:	NM_026024.3 , NP_080300.1
RefSeq Size:	1134 bp
RefSeq ORF:	615 bp
Locus ID:	67196
UniProt ID:	Q9CQ37
Cytogenetics:	1 E4
Gene Summary:	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes monoubiquitination. Involved in mitomycin-C (MMC)-induced DNA repair: acts as a specific E2 ubiquitin-conjugating enzyme for the Fanconi anemia complex by associating with E3 ubiquitin-protein ligase FANCL and catalyzing monoubiquitination of FANCD2, a key step in the DNA damage pathway. Also mediates monoubiquitination of FANCL and FANCI. May contribute to ubiquitination and degradation of BRCA1. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11', 'Lys-27', 'Lys-48' and 'Lys-63'-linked polyubiquitination.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer variant. Variants 1 and 2 encode the same protein.