

Product datasheet for **MC226282**

Ube2t (NM_001278115) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2t (NM_001278115) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ube2t
Synonyms: 2700084L22Rik; C80607
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226282 representing NM_001278115
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGAGAGCCTCAGCCTGAAGAAGGAAGTGCACATGCTAGCCATCGAACCTCCCCGGGCATCACGT
GCTGGCAGGAAAAGGATCAAGTGGCTGATTTGCGAGCTCAAATACTAGGTGGAGCTAATACACCTTATGA
GAAAGGTGTTTTACACTGGAAGTTATCATTCTGAGAGGTACCCATTTGAACCTCCACAGTCCGATTT
CTAACTCCAATCTATCATCCAAACATTGATTCTAGTGGAAGGATTTGTCTAGATATTCTCAAATTGCCAC
CAAAGGTGCATGGAGACCATCCCTCAACATTGCCACTGTATTGACCTCTATTCAGCTGCTCATGGCAGA
ACCCAATCCTGATGACCCACTAATGGCTGACATTTCTTCAGAATTTAAATATAACAAGATAGCTTTTCTC
AAGAAAGCCAAGCAGTGGACAGAGGCTCATGCAAGACAGAAAACAAAGGCTGATGAAGAGGAGCTAGGCA
CCTCATCAGAAGTTGGTGACTCTGAGGAAAGCCATTCACACAGAAAAGGAAGGCCAGGCCATTAGGAGG
AATGGAAAAAAGTTTTCCCTGACGTTTCAGAGAGTCTATCCTGGTCCCTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001278115
Insert Size: 615 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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| OTI Annotation: | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| 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_001278115.1 , NP_001265044.1 |
| RefSeq Size: | 957 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 (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. |