

Product datasheet for **MG201724**

Ube2f (NM_026454) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2f (NM_026454) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ube2f
Synonyms: 2510010F15Rik; AI851109
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201724 representing NM_026454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTAACGCTGGCAAGCAAGTTGAAGCGGGATGATGGTCTCAAAGGATCCCGGACATCAGCCTCCACAT
 CTGACTCTACCCGGAGGGTTTCTGTGAGAGACAAGTTGCTTGTAAAGAGGTTGCAGAACTTGAAGCTAA
 TTTACCTGTACATGTAAGTACATTTTCTGATCCAAACAAGCTTCATTGCTTTCAGCTGACTGTAAGC
 CCAGATGAGGGTTACTACCAGGGTGGAAAATTTAGTTTGAAGTGAAGTCCCGATGCCTACAACATGG
 TGCTCCCAAGGTGAAATGCTTGACTAAAATCTGGCACCCCAACATCACAGAAACGGGGAAATATGTCT
 AAGTTTACTAAGAGAACATTCAATTGATGGCACTGGCTGGCTCCCACTAGAACATTAAAGGATGTTGTT
 TGGGGATTAAGTCTTTATTTACCGATCTCTTGAATTTGATGATCCCACTGAATATTGAAGCTGCAGAAC
 ATCATTTCGGGACAAGGAGGATTTTCGGGACAAAGTGGATGAATACATCAAACGCTATGCCAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201724 representing NM_026454
 Red=Cloning site Green=Tags(s)

MLTLASKLKRDDGLKGSRTSASTSDSTRVSVRDKLLVKEVAELEANLPCTCKVHFDPNKLHCFQLTVS
 PDEGYQGGKFQFETEVPDAYNMVPPKVKCLTKIWHPNITETGEICLSLLREHSIDGTGWAPTRTLKDVV
 WGLNSLFTDLLNFDDPLNIEAAEHHLRDKEDFRDKVDEYIKRYAR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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_026454.4</u>
RefSeq Size:	1562 bp
RefSeq ORF:	558 bp
Locus ID:	67921
UniProt ID:	<u>Q9CY34</u>
Cytogenetics:	1 D
Gene Summary:	Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX2, but not RBX1, suggests that the RBX2-UBE2F complex neddylates specific target proteins, such as CUL5.[UniProtKB/Swiss-Prot Function]