

Product datasheet for **RG232145**

UBE2L3 (NM_001256355) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2L3 (NM_001256355) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBE2L3
Synonyms:	E2-F1; L-UBC; UBCH7; UbcM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232145 representing NM_001256355 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGGTCGCTGCAGGGACCCGAGGCGACACGCGCCTGCAGGAGGTGGCACTCCTGCCGAGCTCTTCG
ATCTGCTTGTCTTGGCCAGCGGCGCTCGCCTGCTCCGACAGGTCCCGAGCGCTGGCGGGCAAAGA
CTTGGCACAGCTCCAGGCCGGCGCAACTCTCGCCGGGTATAGGCGGCTCACGGCCGGAGGAGCTTGAA
GAAATCCGCAAATGTGGGATGAAAACTCCGTAACATCCAGGTTGATGAAGCTAATTTATTGACTTGGC
AAGGGCTTATTGTTCTGACAACCTCCATATGATAAGGGAGCCTTCAGAATCGAAATCAACTTTCCAGC
AGAGTACCCATTCAAACCACCGAAGATCACATTTAAAACAAGATCTATCACCCAAACATCGACGAAAAG
GGCAGGTCTGTCTGCCAGTAATTAGTGCCGAAAAGTGAAGCCAGCAACCAAAACCGACCAAGTAATCC
AGTCCCTCATAGCACTGGTGAATGACCCCGAGCCTGAGCACCCGCTTCGGGCTGACCTAGCTGAAGAATA
CTCTAAGGACCGTAAAAAATTCTGTAAGAATGCTGAAGAGTTTACAAAGAAATATGGGAAAAGCGACCT
GTGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232145 representing NM_001256355
Red=Cloning site Green=Tags(s)

MQVAAGTRGDTRLQEVALLPQLFDLLVLGQRRARLLRQVPSALAGKDLAQLQAGATLAGYRRAHGPEELE
 EIRKCGMKNFRNIQVDEANLLTWQGLIVPDNPPYDKGAFRIEINFPAEYPFKPPKITFKTKIYHPNIDEK
 GQVCLPVI SAENWK PATKTDQVIQSLIALVNDPQPEHPLRADLAE EYSKDRKKFKCKNAEEFTKKYGEKRP
 VD

TRTRPLE - GFP Tag - V

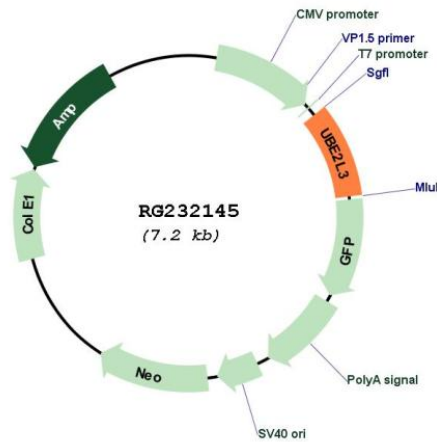
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001256355

ORF Size: 636 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001256355.1 , NP_001243284.1
RefSeq Size:	3007 bp
RefSeq ORF:	639 bp
Locus ID:	7332
UniProt ID:	P68036
Cytogenetics:	22q11.21
Protein Pathways:	Parkinson's disease, Ubiquitin mediated proteolysis
Gene Summary:	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is demonstrated to participate in the ubiquitination of p53, c-Fos, and the NF-kB precursor p105 in vitro. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2009]