

Product datasheet for **RG235679**

UBE2D1 (NM_001204880) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2D1 (NM_001204880) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UBE2D1
Synonyms: E2(17)KB1; SFT; UBC4/5; UBCH5; UBCH5A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235679 representing NM_001204880.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGACTCTGATAGCGCATATCAAGGTGGAGTCTTCTTTCTCACTGTACATTTCCGACAGATTATCCT
TTAAACCACCAAAGATTGCTTTCACAACAAAAATTTACCATCAAACATAAACAGTAATGGAAGTATT
TGTCTCGATATTCTGAGGTACAATGGTCACCAGCTCTGACTGTATCAAAAAGTTTTATTGTCCATATGT
TCTTACTTTGTATCCTAATCCAGATGACCCCTTAGTACCAGATATTGCACAAATCTATAAATCAGAC
AAAGAAAATACAACAGACATGCAAGAGAATGGACTCAGAAATATGCAATG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235679
 Blue=ORF Red=Cloning site Green=Tag(s)

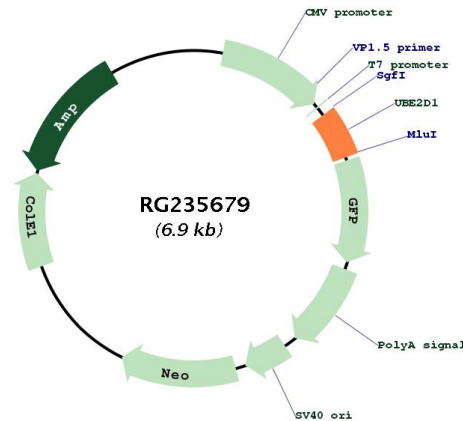
```
MTPDSAYQGGVFFLTVHFPTDYPFKPKPIAFTTKIYHPNINSNGSICLDILRSQWSPALTVSKVLLSIC
SLLCDPNPDDPLVPDIAQIYKSDKEKYNRHAREWTQKYAM
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_001204880

ORF Size: 327 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).
RefSeq:	NM_001204880.1 , NP_001191809.1
RefSeq Size:	2648 bp
RefSeq ORF:	330 bp
Locus ID:	7321
Cytogenetics:	10q21.1
Protein Pathways:	Ubiquitin mediated proteolysis
MW:	12.9 kDa
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, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is closely related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]