

## Product datasheet for **RG238649**

### **UBOX5 (NM\_001267584) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	UBOX5 (NM_001267584) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBOX5
Synonyms:	hUIP5; RNF37; UBCE7IP5; UIP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238649 representing NM\_001267584.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTAATAAATCTTTGCCTCCCACAGTTCAGACCAAGAATTCAGTCAACAAGATATCAGCTGATGGT
TACGAAGTAGAAAAATCTCATCTCTGAAGATCTCACAAAGAGAAGTCATGGTTTCAGGACAGAGTATTTTC
ATTAAGCCACCAGTCTATGTGACAGTTTCAATTTCCCTTTAATGTGAAATCTGTAGGATCAACATAGAC
CTCACAGCTGGGGGAGGTGAGAACGTCCTGGCCTGGAATGTACACATCTGCCTCATCTAGCAGAGTG
TCTTGGAAATACGCCCCAGTGCCGGACCCTGGGCCAGCTGAGCCATCTGTCCAGACAAGGAGCGTTC
ACCTTGGTAGGCAAAGTCTTACTGAAAAACCAGAGCCAAGTGGTGTTAGCCACAGGGGCTCAAGGCC
AGGCCCTTTTGGCGCATGGAAGCCACACTCCCCTCCCCTGCTGTTGTGGCCAGGAGCTCTGGAAT
AAAGGGCTCTTTCCCTTAGCCACGTGGCCACTTAAGGATCTGTATCACCCATGTGACAGGCGGGGT
ATCCCTTGATCAAGCGTTGGAAGTGTGGGTGACGCCGCAAGACCTGCTCCAGGAAGTGATAGAC
AGCATCTGCTGGTCACCTCAGAGAACCCTGCCTCAGGATGTGGCTCTGCAGGCTCCAGCCTTGCCCATG
GAAAGTACTGTGACCCTGGGGACCAGCCTGAGAGCCAGCAGGCTCCCTCCAGCCTGCAGAAGCTGGCC
GAGATCATTAGGATGTGCCTGAGGAGTTCCTGGATCCCATCACCTGGAGATCATGCCTTGTCCCATG
CTGCTGCCCTCAGGCAAGGTATCGACCAGAGCACACTGGAGAAGTGAACCGCAGTGAAGCCACATGG
GGCCGAGTGCCAGTGACCCTTTCACGGGGTAGCTTTTACTCCGCACTCTCAGCCCCTGCCTCACCCC
TCCCTCAAGGCCCGGATTGACCATTTCTGCTCCAGCACTCCATCCCTGGCTGCCACCTGCTTGGGAGA
GCACAGACGGCATTGGCAGTGATCCCTTCTTCCATTGTTCTGCCCTCTCAGAAAAGGAAGATAGAGCAG
GCTGAACATGTCCAGACAGTAACCTTGGTGTAATGCTTCTGTTTTTCTGCCACAAGCCCTTTGGTC
TTACCCACTACCTCAGAGCACACTGCTAAGAAAATGAAAGCCACCAATGAGCCAGCCTGCACATATG
GACTGCTCGACAGGTCCACTGTCCACGAGCAGAAGCTGTACAAAGCTTGAAATTCGCTTGGCATCC
ACCCTTGCTCTATGCCCTCCTTACGGCACGGCTGACCAGGGGACAGCTCCAGCACCTTGGCACAAGA
GGGAGCAACACTTCTGGAGGCCTGGCACCAGGCTCGGCCTGGGAGCATCTGGGCCCGAATGTGCCTC
CTGCAAAAAGAGTATTTTCTCCCTACTTCAAAAAGGAGCCGGTGTACCAGCTGCCCTGCGGCCACCTCCT
GTGCCGACCTGCCTGGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238649  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MVINLCLPQFRPRIHCNKISADGYEVENLISEDLTKRSHGFRTEYFIKPPVYVTVSFPFNVEICRINID
LTAGGGQNVTLGEMYSASSSRVSWNTPQCRTLGAPEPSVPDKEAFTLVGKVLKQSQVVFSHRGFKA
RPPFGAMEATLPSAVVAQELWNKGALSLSHVAHLRITHTVGGGIPCIKRLEVMGQPAKTCSEQEVID
SILLVTSENLPQDVALQAPALPMESDCDPQDPESQQAPSSLQLAEIIQDVPEEFLDPITILEIMPCPM
LLPSGKVIDQSTLEKCNRSEATWGRVPSDPFTGVAFTPHSQPLPHPSLKARIDHFLQLHSIPGCHLLGR
AQTALAVIPSSIVLPSQKRKIEQAQEHVPSNFGVNASCFATSPLVLPPTSEHTAKKMKATNEPSLTHM
DCSTGPLSHEQKLSQSLEIALASTLGSMPSTARLTRGQLQHLGTRGSNTSWRPGTGSAWEHPGRMCL
LQKSI FSL LQK GAGVPAALRPPP VPTLPG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

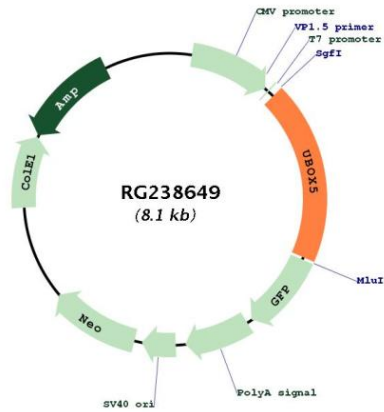
**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


- ACCN:** NM\_001267584
- ORF Size:** 1536 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\\_001267584.2](#)
- RefSeq Size:** 4357 bp
- RefSeq ORF:** 1539 bp
- Locus ID:** 22888
- Cytogenetics:** 20p13
- Protein Families:** Druggable Genome
- Protein Pathways:** Ubiquitin mediated proteolysis
- MW:** 55.9 kDa
- Gene Summary:** This gene encodes a U-box domain containing protein. The encoded protein interacts with E2 enzymes and may play a role in the ubiquitination pathway. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RG238649