

Product datasheet for **RG207423**

UBQLN3 (NM_017481) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	UBQLN3
Synonyms:	TUP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207423 representing NM_017481
 Red=Cloning site Blue=ORF Green=Tags(s)

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ATGCCAAAGGTGGAGAAGCCCTGCCACAGGGCAGCCAGCACCAGTCCAGGATCCCCACCTCATCAAGG
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 CCAGCAGCTGCAGCCTGAGGCTCACTTTCAGGTGCAGCTGGAGCAACTGCGGTCCATGGGCTTTCTGAAT
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 AGTCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

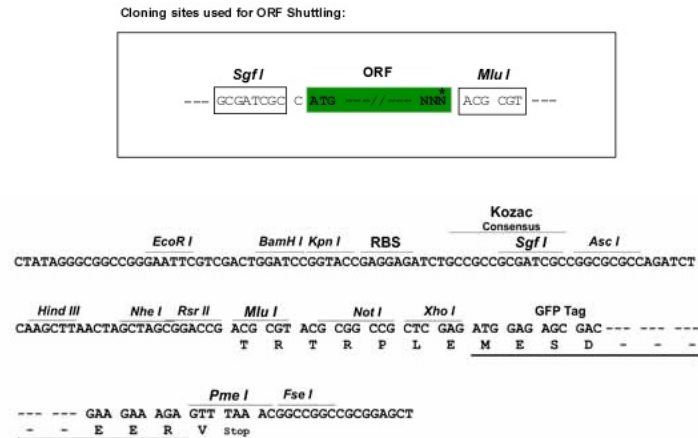
Protein Sequence: >RG207423 representing NM_017481
 Red=Cloning site Green=Tags(s)

MAKGGEALPQGSAPVQDPHLIKVTVPKPKDKEDFSVTDCTIQQLKEEISQRFKAHPDQLVLIFAGKIL
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 ENPQSLGTYLQGTASALSQSQEPSPSVNRVPPSSSQEPGSGQPLPEESVAIKGRSSCPAFLRYPTENS
 TGQGGDQDGAGKSSSTGHSTNLPDLVSLGDSANRVFPAPLSFSPTAAIPGIPEPPWLPSPAYPRSLRPDG
 MNPAPQLQDEIQQLPLMLHLQAAMANPRALQALRQIEQGLQVLATEAPRLLWFMPLCLAGTGSVAGGIE
 SREDPLMSEDPLNPPPEVFPALDSAELGFLSPPFLHMLQDLVSTNPQQLQPEAHFQVQLEQLRSMGFLN
 REANLQALIAITGGDVDAAVEKLRQS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017481

ORF Size: 1965 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:

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.

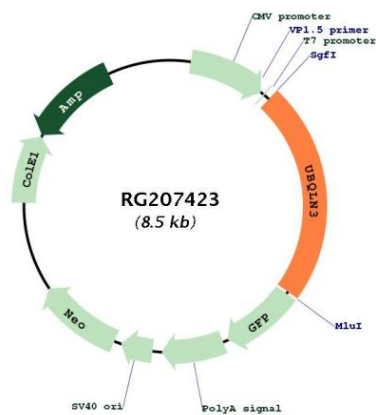
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017481.4](#)

RefSeq Size: 2347 bp

RefSeq ORF:	1968 bp
Locus ID:	50613
UniProt ID:	Q9H347
Cytogenetics:	11p15.4
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a ubiquitin-like protein (ubiquilin) that shares a high degree of similarity with related products in yeast, rat and frog. Ubiquilins contain an N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. They physically associate with both proteasomes and ubiquitin ligases, and are thus thought to functionally link the ubiquitination machinery to the proteasome to affect in vivo protein degradation. This gene is specifically expressed in the testis. It has been suggested that this gene may regulate cell-cycle progression during spermatogenesis, however, it has been shown that the orthologous mouse gene is dispensable for embryonic development and spermatogenesis. [provided by RefSeq, Nov 2016]

Product images:



Circular map for RG207423