

Product datasheet for **RG203689**

UBE2Z (NM_023079) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBE2Z (NM_023079) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBE2Z
Synonyms:	HOYS7; USE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203689 representing NM_023079 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCATTTATAAGGAGCCTCCTCCAGGAATGTTGTTGTACCTGATACTGTTGACATGACTAAGATTC
ATGCATTGATCACAGGCCCATTTGACACTCCTTATGAAGGGGTTTCTTCTGTTCTGTTTCGGTGTCC
GCCCGACTATCCCATCCACCCACCTCGGGTCAAAGTATGACAACGGGCAATAACACAGTGAGGTTAAC
CCCAACTTCTACCGCAATGGGAAAGTCTGCTTGAGTATTCTAGGTACATGGACTGGACCTGCCTGGAGCC
CAGCCCAGAGCATCTCCTCAGTGCTCATCTCTATCCAGTCCCTGATGACTGAGAACCCTATCACAATGA
GCCCGGCTTTGAACAGGAGAGACATCCAGGAGACAGAAAACTATAATGAATGTATCCGGCAGGAGACC
ATCAGAGTTGCAGTCTGTGACATGATGGAAGGAAAGTGTCCCTGTCTGAACCCCTACGAGGGGTGATGG
AGAAGTCTTTCTGGAGTATTACGACTTCTATGAGGTGGCCTGCAAAGATCGCCTGCACCTTCAAGGCCA
AACTATGCAGGACCCCTTTGGAGAGAAGCGGGCCACTTTGACTACCAGTCCCTCTTGATGCGCCTGGGA
CTGATACGTCAGAAAGTCTGGAGAGGCTCCATAATGAGAATGCAGAAATGGACTCTGATAGCAGTTCAT
CTGGGACAGAGACAGACCTTCATGGGAGCCTGAGGGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203689 representing NM_023079
 Red=Cloning site Green=Tags(s)

MSIYKEPPPGMFVVPDVTDMTKIHALITGPFDTPEGGFFLVFVRCPDYPHPPRVKLMTTGNNTVRFN
 PNFYRNGKVCLSLILGTWTGPAWSPAQSISVLSIQSLMTENPYHNEPGFEQERHPGDSKNYNECIRHET
 IRVAVCDMMMEGKCPCEPLRGVMEKSFLEYDFYEVACKDRLHLQGQTMQDPFGEKRGHFYDQSLMLRLG
 LIRQKVLRLHNENAEMSDSSSSSGTETDLHGSLRV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023079

ORF Size: 738 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.

RefSeq: [NM_023079.2](#), [NP_075567.1](#)

RefSeq Size: 3101 bp

RefSeq ORF: 1065 bp

Locus ID: 65264

UniProt ID: [Q9H832](#)

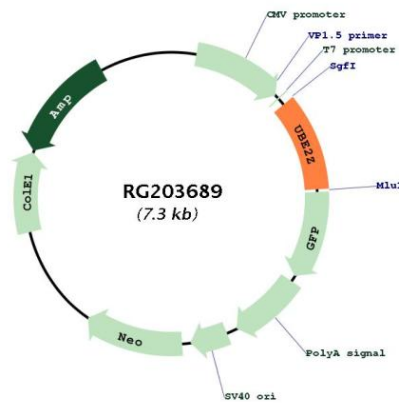
Cytogenetics: 17q21.32

Domains: UBCC

Protein Pathways: Acute myeloid leukemia, Pathways in cancer, Ubiquitin mediated proteolysis

Gene Summary: This gene encodes an enzyme which ubiquitinates proteins which participate in signaling pathways and apoptosis. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG203689