

Product datasheet for **MG206433**

Ubac1 (NM_133835) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubac1 (NM_133835) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ubac1
Synonyms:	1110033G07Rik; AA407978; GBDR1; Gdbr1; Kpc2; Ubadc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206433 representing NM_133835 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTTCTGTCAGGAGGAGAAGATCTTCGCGGGCAAGGTGCTTCGGCTGCACATCTGCGCAGCCGACGGCG
 CCGAGTGGCTGGAGGAGGCGACCGAGGACACATCGGTGGAGAAGCTCAAGGAGAGTTGCCTCAAACATGG
 TGCTCATGGGAGCCTAGAAGACCCCAAGAATGTGACCCACCACAAGCTAATACATGCTGCTTCAGAGAGG
 GTGCTGAGTGACAGCAAAACGATCTTGAAGAAAACATCCAGGACCAAGACGTCTTGTTATTGATAAAAA
 AGCGTGTTCTTCTCCACTCCCTAAGATGGCTGACGTCTCAGCAGAAGAAAAGAAGAAACAAGAGCAAAA
 GGCTCCAGACAAAGATGCTATTCTTCGAGCAACGGCAACCTGCCTGCCTGCAGCACTGACCGGACTGCT
 GTCCAGACCACCATGAGAGACTTCCAGACAGAACTCCGGAAGATCCTCGTGTCTCTCATTGAGGTGGCAC
 AGAAGCTGTTAGCACTGAATCCCGATGCAGTTGAATTGTTAAGAAGGCAAATGCTATGCTGGATGAAGA
 TGAGGATGAGCGAGTGGATGAGACTGCCTTGCGGCAGCTCACAGAGATGGGCTTTCCTGAGAGCAGAGCC
 TCAAAGGCCCTTCGGCTGAACCACATGTCAGTGCCTCAGGCCATGGAGTGGCTAATTGAACACTCAGAAG
 ATCCAGCTATTGACACACCTCTTCAGGCCATGCTGCTCAAGCAGGGGCCAGTGTGCAGCCACTACCTC
 CTCCACCTCCTCTGAAGCTGCTGTGGAACTAGTGTGAAGATGAGGAGTCCCGGATGAGCTCACAGAA
 ATCTTCAAGAAGATACGCAGGAAAAAGGAATTCGAGCAGATGCTCGGGCTGTCATTTGCTGATGGAGA
 TGGGCTTTGACGAGAAGGAAGTGATTGATGCCCTCCGAGTGAACAACAACCAGCAGAACGCTGCTTGTA
 ATGGCTGCTGGGGACCGGAAGCCATCCCTGAGGAATTGGACCAGGGCATCGATCCCAATAGCCCTCTC
 TTTGAGGCCATCTGGACAACCCAGTGGTGAGCTGGGTTTGACAAACCCTAAGACATTGCTAGCATTTG
 AAGACATGCTGGAGAATCCGCTTAACAGCACCCAGTGGATGAACGACCCAGAGACGGGCCCGGTCATGCT
 GCAGATCTCTAGGATCTTCAGACGCTGAATCGCACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG206433 representing NM_133835
 Red=Cloning site Green=Tags(s)

MFVQEEKIFAGKVLRLHICAADGAEWLEEATEDTSVEKLKESCLKHGAHGSLEDPKNVTHHKLIIHAASER
 VLSDSKTILEENIQDQDVLILLIKRVPSPLPKMADVSAEEKKKQEQKAPDKDAILRATANLPACSTDRTA
 VQTTMRDFQTELRLKILVSLIEVAQKLLALNPDAVELFKKANAMLEDEDERVDETALRQLTEMGFPESRA
 SKALRLNHMSVPQAMEWLIHSEDPADIDPLPGHAAQAGASAAATTSSTSSEAAGTSVEDEESRDELTE
 IFKKIRRKKEFRADARAVISLMEMGFDEKEVIDALRVNNNQNAACEWLLGDRKPSPEELDQGIDPNSPL
 FQAILDNPVVQLGLTNPKTLLAFEDMLENPLNSTQWMNDPETGPVMLQISRIFQTLNRT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_133835

ORF Size: 1227 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_133835.2](#), [NP_598596.2](#)

RefSeq Size: 3450 bp

RefSeq ORF: 1230 bp

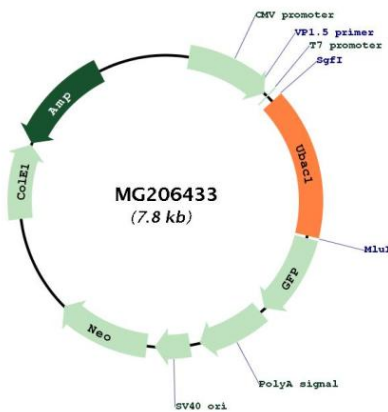
Locus ID: 98766

UniProt ID: [Q8VDI7](#)

Cytogenetics: 2 A3

Gene Summary: Non-catalytic subunit of the KPC complex that acts as E3 ubiquitin-protein ligase. Required for poly-ubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of the cell cycle (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206433