

Product datasheet for **MG204334**

Ufd1 (NM_011672) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ufd1 (NM_011672) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ufd1
Synonyms: Ufd1; Ufd1l
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204334 representing NM_011672
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTCTTCAACATGTTTGACCACCCGATCCCCGGGTCTTCCAGAACCCTTCTCCACGCAGTACC
GCTGCTTCTCCGTGCCATGCTAGCAGGGCCTAATGACAGGTCAGATGTGGAGAAAGGAGGGAAGATAAT
TATGCCACCCCTCAGCCCTCGATCAACTCAGCCGGCTCAACATTACCTATCCTATGCTGTTAAATTGACC
AATAAGAATTCAGATCGGATGACACACTGCGGTGTACTGGAGTTTGTGCTGATGAAGGCATCTGTTACC
TCCCCACTGGATGATGCAGAATTTGCTGTTGGAGGAAGGGGCCTGGTTCAGGTGAAAGTGCAACCT
CCAAGTGCGACCTACTCTAAGTTCAGCCTCAGAGCCAGACTTCTGGATATTACCAACCTAAAGCG
GTATTAGAAAATGCATTGAGAACTTCGCTGTCTGACGACTGGAGATGTGATTGCTATCAACTACAATG
AGAAGATCTATGAGCTGCGGGTGTGGAGACCAACCTGACAAGGCTGTATCCATTATTGAATGTGACAT
GAATGTGGATTTTGTGCTCCCTTGGGATACAAAGAACCAGAAAGACCAGTGCAGCATGAGGAGTCAATA
GAGGGAGAAGCTGACCACAGTGGCTATGCCGGAGAGGTGGGCTTCCGTGCCTTCTCTGTTCTGGGAATA
GACTGGATGGGAAGAAAAAGGGTTGAGCCCAGTCCCTCCCAATCAAGCCTGGAGACATCAAAAGAGG
AATTCCTAATTACGAATTTAAGCTTGGTAAGATCACTTTCATCAGAAATTCACGTCCATTGGTCAAAAAG
GTTGAAGAGGATGAAGCTGGAGGCAGATTCATTGCTTTCTGGAGAAGGACAGTCACTGCGTAAGAAGG
GAAGAAAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG204334 representing NM_011672
 Red=Cloning site Green=Tags(s)

MFSFNMFDPHPIPRVFQNRSTQYRCFSVSMLAGPNDRSDVEKGGKIIMPPSALDQLSRLNITYPMLFKLT
 NKNSDRMTHCGVLEFVADEGICYLPHWMMQNLLEEGGLVQVESVNLQVATYSKFQSPDFLDITNPKA
 VLENALRNFACLTTGDVIAINYNEKIYELRVMETKPKAVSIIIECDMNVDFDAPLGYKEPERPVQHEESI
 EGEADHSGYAGEVGFRAFSGSGNRLDGKKKGVEPSPSPIKPGDIKRGIPNYEFKLGKITFIRNSRPLVKK
 VEDEAGGRFIAFSGEGQLRKKGRKP

TRTRPLE - GFP Tag - V

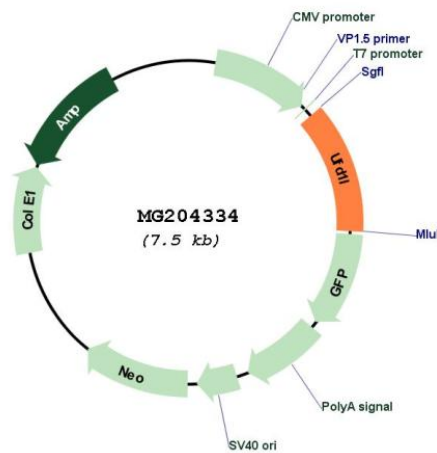
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_011672

ORF Size: 921 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:	<ol style="list-style-type: none">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_011672.4 , NP_035802.3
RefSeq Size:	1959 bp
RefSeq ORF:	924 bp
Locus ID:	22230
UniProt ID:	P70362
Cytogenetics:	16 11.65 cM
Gene Summary:	Essential component of the ubiquitin-dependent proteolytic pathway which degrades ubiquitin fusion proteins. The ternary complex containing UFD1, VCP and NPLOC4 binds ubiquitinated proteins and is necessary for the export of misfolded proteins from the ER to the cytoplasm, where they are degraded by the proteasome. The NPLOC4-UFD1-VCP complex regulates spindle disassembly at the end of mitosis and is necessary for the formation of a closed nuclear envelope. It may be involved in the development of some ectoderm-derived structures (By similarity). Acts as a negative regulator of type I interferon production via the complex formed with VCP and NPLOC4, which binds to DDX58/RIG-I and recruits RNF125 to promote ubiquitination and degradation of DDX58/RIG-I (By similarity).[UniProtKB/Swiss-Prot Function]