

## Product datasheet for MC208050

### Ufd1 (NM\_011672) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Ufd1 (NM\_011672) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Ufd1  
 Synonyms: Ufd1; Ufd1l  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC208050 representing NM\_011672  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTTTCTTTCAACATGTTTGACCACCCGATCCCCGGGTCTCCAGAACCGTCTCCACGCAGTACC  
 GCTGCTTCTCCGTGCCATGCTAGCAGGCCTAATGACAGGTGAGTGGAGAAAGGAGGAAGATAAT  
 TATGCCACCCTCAGCCCTCGATCAACTCAGCCGGCTCAACATTACCTATCCTATGCTGTTAAATTGACC  
 AATAAGAATTCAGATCGGATGACACACTGCGGTGACTGGAGTTTGTGCTGATGAAGGCATCTGTTACC  
 TCCCCACTGGATGATGCAGAATTTGCTGTTGGAGGAAGGGGGCCTGGTTCAGGTGGAAGTGCAACCT  
 CCAAGTGGCGACCTACTCTAAGTTCAGCCTCAGAGCCAGACTTCTGGATATTACCAACCCTAAAGCG  
 GTATTAGAAAAATGATTGAGAACTTCGCTGTCTGACGACTGGAGATGTGATTGCTATCAACTACAATG  
 AGAAGATCTATGAGCTGCGGGTATGGAGACCAAACTGACAAGGCTGTATCCATTATTGAATGTGACAT  
 GAATGTGGATTTTGTGCTCCCTTGGGATACAAAGAACCAGAAAGACCAGTGCAGCATGAGGAGTCAATA  
 GAGGGAGAAGCTGACCACAGTGGCTATGCCGGAGAGTGGGCTCCGTGCCTTCTCTGGTCTGGGAATA  
 GACTGGATGGGAAGAAAAAGGGTTGAGCCAGTCCCTCCCAATCAAGCCTGGAGACATCAAAAAGAG  
 AATTCTAATTACGAATTTAAGCTTGGTAAGATCACTTTTCATCAGAAATTCAGTCCATTGGTCAAAAAG  
 GTTGAAGAGGATGAAGCTGGAGGAGATTCATTGCTTTCTCTGGAGAAGGACAGTCACTGCGTAAGAAGG  
 GAAGAAAGCCCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_011672  
 Insert Size: 924 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_011672.4</a> , <a href="#">NP_035802.3</a>
<b>RefSeq Size:</b>	1996 bp
<b>RefSeq ORF:</b>	924 bp
<b>Locus ID:</b>	22230
<b>UniProt ID:</b>	<a href="#">P70362</a>
<b>Cytogenetics:</b>	16 11.65 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and is the protein-coding transcript.</p>