

## Product datasheet for **MG208737**

### Det1 (NM\_029585) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Det1 (NM_029585) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Det1
Synonyms:	2610034H20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208737 representing NM\_029585  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCATCATGTTTCCACAATTAACCTCGAAGAATCCAAAATCAAATGTCATTACCCGCTCGAAC  
 GCCGGCGCATCAGTTCAGGCAAGCGGGCACCCACTGGCATCAGGTCCGAGTGTTCCACCAGAACGTCTT  
 CCCAACTTACAGTTGTCAACGTGCAAAAAGCCTCCTTGTTCACGAAATTCGCGCTGACGGGCGC  
 TACTTTATTGCCTTTTCTGACCAGACATCTTTGAAATCTATGAGTACCAGGGCTGTGAGGCAGCAG  
 AGGACCTCTTGCAGGGATACGAAGGGGAGATCTTGTCCAATGGCAATGACCAGAGGTGGTCCAGATCCG  
 AGGTGGCTCTTTGAGCGTTTTTTTGTCTGCTGCACATTACCAACGTGGCGGCAATGGCGAGCACTTG  
 AACCGTGAGTGTAGCCTTTCACAGATGACTGCCGCTGCGTCATCGTGGGCTCTGCTGCCTACCTCCAG  
 ACGAGCCTCACCTCCATTCTATGAGGTGTATCGGAACAGTGAGTCGGTGACCCCAATCCACGGTCCCC  
 ACTTGAGGACTATTCCCTCCACATCATTGACCTTCACACTGGCCGTTTGTGTGACACACGCACATTAAG  
 TGTGACAAAGTGGTCTTGTGCGACAATCAAGGGCTCTACTTGTATAAAAACATCCTGGCCATATTGTCTG  
 TGCAGCAGCAGACGATTCATGTCTTCCAGGTGACCCCTGAAGGCACCTTTATCGAGTTCGGACCATCGG  
 CCGCTTCTGTACGAGGATGACCTGCTCACTGTGTCTGCCGTTTTCCCTGAGGTGACGCGGGACAGCCAG  
 ACAGGCATGGCCAACCCTTTCAGGGACCCTTTCATCAACTCCTTGAAGCACCGCTTGCTGGTTTACCTCT  
 GGGCCCGGGCAGAGCAGGATGGCAGTGCATGGCGAAGAGGGGTTTCCAGTACTTTGACCAGCTGCG  
 CCAGCTGCGCATGTGGAAGATGCAGTCTCTGGACGAGAACCATCTGTTTCAAGTACACCAGCGAGGAC  
 GTAGTGACGTGCGGGTACAGACCCGCTCAGGCCTCCTTCTTGTGGTGTACAACATGGTGACAACCT  
 AGGTGATTGCCGTGTTTGAGAACACATCCGATGAGCTTCTGGAACCTTTCGAGAACCTCTGTGACCTCTT  
 CCGCAACGCCACCCTGACAGTGAAGTCCAGTTCCTTGTCTGAGCTTCTAGCAACAACCTTTCGCAAGGCAG  
 ATCCAGCGCCGGTTCAAAGACACGATTATAAATGCCAAGTATGGAGGGCACACGGAGGCTGTGCGCCGAC  
 TGCTAGGCCAGCTCCCCATCAGTGCCAGTCTTACAGTGGGAGCCCATACCTGGATTTGTCTCTCTTCAG  
 CTACGATGACAAGTGGGTGTCAGTATGGAGCGACCCAAGACTTGTGGAGATCACCCGATCAGGTTCTAT  
 GCCCGGGACTCTGGTTGCTGAAGTTTGTAGATCCAGCGGGCTTGTGGCCGCCCATCAACCACACAG  
 TGCGACGCCTCGTGGCTTACCTTTCACCCCTTTGAGCCATTTGCCATTTCTGTGCAGAGGACTAACGC  
 AGAGTATGTTGTCAACTCCACATGCGACTGCTGCACC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208737 representing NM\_029585  
 Red=Cloning site Green=Tags(s)

MDHHVSTIKPRRIQNQNVHRLERRRISGKAGTHWHQVRFHQNVFPNFTVVNVEKPPCFLRKFS PDGR  
 YFIAFSSDQTSLEIYEYQGCQAAEDLLQGYEGEILSNGNDQRSVSI RGRLEFFVLLHITNVAANGEHL  
 NRECSLFTDDCRCVIVGSAAYLPDEPHPPFYEYRNSESVTPNPRSPLEDYSLHIIDLHTGRLCDTRTFK  
 CDKVVL SHNQGLYLKNI LAILSVQQTIHVFQVTP EGTIDVRTIGRFCYEDDLLTVSAVFPEVQRDSQ  
 TGMANPFRDPFINSLKHRLLVYLWRAEQDGSAMAKRRFFQYFDQLRQLRMWKMQLLDENHLFIKYTSED  
 VVTLRVTDPQSASFVVYNMVTEVIAVFENTSDELLELFENFCDLFRNATLHSEVQFPCSASSN FARQ  
 IQRRFKDTIINAKYGGHTEAVRRLLGQLPISAQSYSGSPYLDLSLFSYDDKVVSVMERPKTCGDHP IRFY  
 ARDSGLLKFEIQAGLLGRPINHTVRRLLVAFTFHPFEPFAISVQRTNAEYVVNFHMRHCCT

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

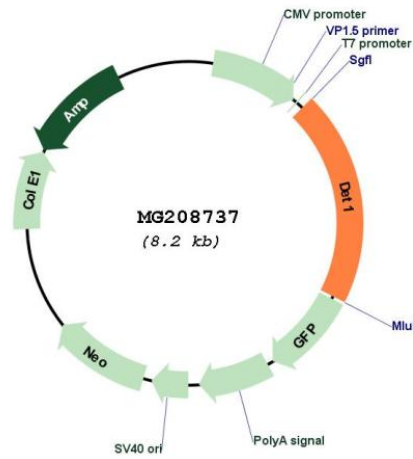
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_029585
<b>ORF Size:</b>	1650 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_029585.2</a>
<b>RefSeq Size:</b>	2217 bp
<b>RefSeq ORF:</b>	1653 bp
<b>Locus ID:</b>	76375
<b>UniProt ID:</b>	<a href="#">Q9D0A0</a>
<b>Cytogenetics:</b>	7 D2
<b>Gene Summary:</b>	Component of the E3 ubiquitin ligase DCX DET1-COP1 complex, which is required for ubiquitination and subsequent degradation of target proteins. The complex is involved in JUN ubiquitination and degradation (By similarity).[UniProtKB/Swiss-Prot Function]