

## Product datasheet for **MG208669**

### Angel2 (NM\_021421) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Angel2 (NM_021421) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Angel2
Synonyms:	2610307I21Rik; 5730410O10Rik; AI845692; D1Ertd396e; D1Ertd654e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208669 representing NM\_021421  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGACGTGGCGCTGTGTGAGGAGGGCTACGGCCGCTGTGTGGCGGGGCGAGGCCGATACTCCATGT  
 TTCCTATCCTCTAAAGAGTTTGGGTCGAGACTGGACCACGCCGTGGGAGGATCTACAGAAATATTGCTG  
 GCGCAGACACATTTCCAGTTGTCTGAGGTGGCCAGGACATTACTCCCGTGCSCCTTACCCATACTTCAGT  
 AGCAGGCATTTCTCATTGAACTGTAGACCACCTTTTCTGTTTGTGCTGGAACGCAGTTTCAGTACTATA  
 ATTGGAGATCTGACCACCTTAGCAACGCATCCTTGATCCATCTCTCTCGTCACGTCATGACCTCTGACAG  
 AGATGAGCCCTTATCTAAACGAAGAAAACATCAAGGAACAATAAAAAGGAACTGGGAGTATTTATGTAGC  
 CATAATAAAGAAAATACGAAGGACCTAGAAGACAGAAATGTTGACTCCACGTGTGAGGACCGTGAAGATA  
 AGTTTGACTTCTCAGTGATGTCTTATAACATCCTCTCGCAGGATTTACTGGAGGATAACTCTCACCTCTA  
 CAGACATTGCCGACGTCCAGTGTACACTGGAGTTTTTCGGTTCCCAATATCTTGAAAGAAATCAAACAT  
 TTTGATGCAGATGTGCTTTGTCTACAGGAAGTTCAAGAAGATCATTATGGGACAGAAATCAGGCCAAGTC  
 TGGAACTACTGGGTTATCATTGTGAATATAAAATGAAAACAGGAAGGAAGCCCGACGGCTGTGCCATCTG  
 CTTCAAACATTCCAGTTCTCGCTCTTATCTGTGAACCCAGTGGAGTTCTGCCGCCGCGACATTCCTCTG  
 CTGGACAGGGACAACATTGGATTGGTTTTACTCCTGCAGCCCAAGATCCCACGCGCTGCCTCTCCATCCA  
 TCTGCATAGCTAACACACATCTGCTCTATAATCCACGGCGCGGTGACATTAAGCTGACCCAGCTGGCAAT  
 GCTGCTAGCTGAGATTGCCAATGTGACCCATCGCAAAGATGGCAGCTCCTGTCTATTGTCATGTGTGGT  
 GACTTTAATTCTGTTCTGTTCTCCACTCTATAGTTTTCATAAAGGAAGGAAAATTAATTAAGGTTG  
 TTGCAATTGGAAAGGTATCTGGCCAGAACAGTCTTACGGGGACAAGAAATTTATCTATTCCAATTTG  
 GCCCCAAACCTAGGCATCTCTCAGAACTGTGTTTATGAGGCACAGCAGGTTCCCAAAGTAGAAAAACA  
 GACAGTGATGTGACTCAAGCACAGCAGGAGAAAGCGGAGTCCCAGTGTCAGCTGACAAAGTGCCTCTGC  
 ATCTACAGCACGGTTTCAGCTTGTCTATCTATTCCCATTATGTTCTGACACTGGAGTTCAGAGGT  
 GACCACCTGCCATTCCCAGAGTGCATAACTGTTGATTATATTTTCTACACTGCAAAGAAGGAGAACACT  
 GCTCAGGGGCCAGGAGCTGAAGTTGCTTTGGTTGGCTTGAACTTCTAGCTAGACTGCACTTCTAA  
 CAGAGCAAGACTTGTGGACTGTGAACGGCCTTCCCAATGAGCACAACCTCAGATCACCTGCCTTTGCT  
 GGCCAAGTTCAGGCTTGAGCTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208669 representing NM\_021421  
 Red=Cloning site Green=Tags(s)

METWRCVRRGYGRCVAGRGRYSMFYPLKSLGRDWTTPWEDLQKVCWRRHISSSLRWPGHYSRAPYPYFS  
 SRHFSLNCRPPFLFESGTQFYNNWRSDDLNASLIHLSRHVMTSDRDEPLSKRRKHQGTIKRNWEYLC  
 HNKENTKDLDRNVDSTCEDREDKDFDVSMSYNILSQDLLEDNSHLYRHCRRPVLHWSFRFPNILKEIKH  
 FDADVLCLEQVEDHYGTEIRPSLESGLYHCEYKMKTRKPDGCAICFKHSRFSLLSVNPVEFCRRDIPL  
 LDRDNIGLVLLLQPKIPRAASPSICIANTHLLYNPRRGDIKLTQLAMLLAEIANVTHRKDGSSCPVIMCG  
 DFNSVPGSPLYSFYIKEGKLNIEGLAIGKVSQEQSSRGRILSIPIWPPNLGISQNCVYEAQVVPKVEKT  
 DSDVTQAQKEAEVPSADKVSSHLQHGFSLSSVYSHYVPTDGVPEVTTCHSRSAITVDYIFYTAKKENT  
 AQGPGAEVALVGGLKLLARLSLLTEQDLWTVNGLPNEHNSDHLPLLAKFRLEL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



ACCN:	NM_021421
ORF Size:	1632 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. <a href="#">More info</a>
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"><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>
RefSeq:	<a href="#">NM_021421.4</a>
RefSeq Size:	2437 bp
RefSeq ORF:	1635 bp
Locus ID:	52477
UniProt ID:	<a href="#">Q8K1C0</a>
Cytogenetics:	1 96.28 cM