

## Product datasheet for **MG222425**

### Syndig1 (NM\_001085521) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Syndig1 (NM_001085521) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Syndig1
Synonyms:	AW123113; DSPC2; Gm14134; H2C20orf39; OTTMUSG00000015750; Tmem90b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222425 representing NM_001085521 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGGCATCATTGAGCAGAAGAGTGTCTGGTACACAGTAAGATCAGTGATGCTGGCAAAGGAATG  
GCTTAATTAACACCAGAACTTCATGGCTGAGAGCAGGGATGGTCTGGTGTCTGTTTACCCAGCACCTCA  
GTACCAGAGCCACAGGCTAGTGGCCAGTGCAGCACCAGGCAGCCTGGAAGGAGGCAGAAGTGAGCCTGTG  
CAGCAGTTGCTGGACCCAAACACTCTGCAGCAGTCCGTCGAGTCCCACTATCGTCCCAATATCATCTCT  
ACTCAGATGGTGTACTTCGATCCTGGGGGATGGTGTAGCCACTGACTGCTGTGAGACCACCTTCATTGA  
GGACCGGTCACCACCAAAGACAGCCTGGAGTACCCCGATGGGAAATTCATCGACCTCTCAGGGGATGAC  
ATCAAAATCCATACCCTGTCCTATGACGTGGAGGAAGAAGAGGAGTTACAGGAGCTGGAGAGTGACTACT  
CCAGCGACACAGAAAGTGAAGCAACTTCTCATGATGCCCCACGGGATCACCTGGGACTCAGCGTCTT  
CTCCATGCTCTGCTGCTTCTGGCCTTTGGGCATTGCAGCCTTCTACTTGTCCCATGAGACAAACAAGCT  
GTGGCCAAAGGAGACTTCCATCAGGCCAGCACCAGCTCTCGAGGGCCCTGTTCTTGGCAGTCTGTCCA  
TTACTATTGGAAGTGGCATCTATGTGGGTGTGGCTGTTGCCCTCATTGCCTACCTCTCAAAAACAACCA  
CTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG222425 representing NM\_001085521  
Red=Cloning site Green=Tags(s)

```
MDGIIEQKSVLVHISKISDAGKRNGLINTRNFMAESRDGLVSVYPAPQYQSHRLVASAAPGSLEGGRESEPV
QQLLDPNTLQQSVESHYRPNIILYSDGVLRSWGDGVATDCCEETFIEDRSPTKDSLEYPDGKFDLSGDD
IKIHTLSYDVVEEEELQELESDYSSDTESEDNFMMPPRDHLGLSVFSMLCCFWPLGIAAFYLSHETNKA
VAKGDFHQASTSSRRALFLAVLSITIGTGIYVGAVALIAYLSKNNHL
```

TRTRPLE - GFP Tag - V

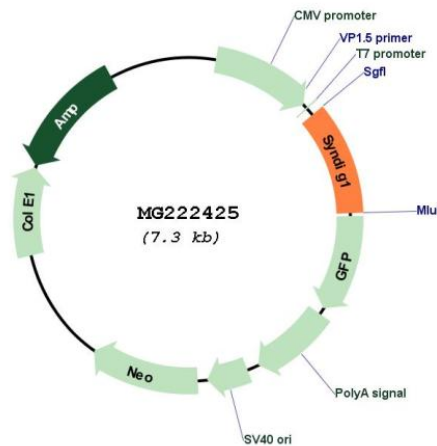
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001085521

**ORF Size:** 774 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_001085521.2</a> , <a href="#">NP_001078990.1</a>
<b>RefSeq Size:</b>	2073 bp
<b>RefSeq ORF:</b>	777 bp
<b>Locus ID:</b>	433485
<b>UniProt ID:</b>	<a href="#">A2ANU3</a>
<b>Cytogenetics:</b>	2
<b>Gene Summary:</b>	May regulate AMPA receptor content at nascent synapses, and have a role in postsynaptic development and maturation.[UniProtKB/Swiss-Prot Function]