

Product datasheet for **RR208751**

Syndig1 (NM_001025020) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Syndig1 (NM_001025020) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Syndig1
Synonyms: DSPC2; RGD1310753; Tmem90b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208751 representing NM_001025020
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGGCATCGTTGAGCAGAAGAGTGTCTGGTACACAGTAAGATCGGTGATGCTGGCAAAGGAATG
GCTTAATTAACACCAGAACTTCATGGCTGAGAGCAGGGATGGTCTGGTGTCTGTTACCCAGCACCGCA
GTACCAGAGCCACAGGCTAGTGCCAGTGCAGCAGCCGGAAGGAGGCAGAAGTATCCTGTG
CAGCAGCTGCTGGACCCAAACACTGCAGCAGTCCGTGGACTCCCACTATCGTCCCAACATCATTCTAT
ACTCAGATGGTGTGCTCCGATCCTGGGGGATGGTGTAGCCACTGACTGCTGTGAGACCCTTCATTGA
GGACCGGTCAACCACAAAGACAGCCTGGAGTACCCCGATGGGAAATTCATCGACCTCTCAGGGGATGAC
ATCAAAATCCACACCCTGTCTTATGATGTGGAGGAAGAGGAGGATTACAGGAGCTGGAGAGTACTACT
CTAGCGACACAGAGAGTGAGGACAATTCCTCATGATGCCTCCACGGGATCACCTGGGACTCAGTGTCTT
CTCCATGCTCTGCTGCTTCTGGCCTTTGGGCATCGCGCCTTCTACTTGTCCCATGAGACAAACAAAGCT
GTGGCCAAAGGAGACTTCCATCAGGCCAGCACCAGCTCCCGAGGGCCCTATTTCTGGCAGTGTGTCCA
TTACGATTGGAAGTGGCATCTATGTGGGTAGCTGTTGCCCTATTGCCTACCTCTCAAAAACAACCA
CCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208751 representing NM_001025020
Red=Cloning site Green=Tags(s)

MDGIVEQKSVLVHSHKIGDAGKRNGLINTRNFMAESRDGLVSVYPAPQYQSHRLVASAAPGSLEGGRSDPV
 QQLLDPNTLQQSVDSHYRPNIILYSDGVLRSWGDGVATDCCEETFIEDRSPTKDSLEYPDGKFIDLSGDD
 IKIHTLSYDVEEEEEELQELEDYSSDTESEDNFLMPPRDHLGLSVFSMLCCFWPLGIAAFYLSHETNKA
 VAKGDFHQASTSSRRALFLAVLSITIGTGIYVGVAVALIAYLSKNNHL

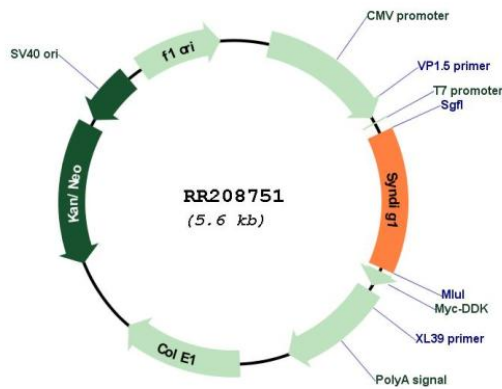
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025020

ORF Size: 774 bp

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|-------------------------------|---|
| 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_001025020.1 , NP_001020191.1 |
| RefSeq Size: | 2055 bp |
| RefSeq ORF: | 777 bp |
| Locus ID: | 362235 |
| UniProt ID: | Q58DZ9 |
| Cytogenetics: | 3q41 |
| MW: | 28.4 kDa |
| Gene Summary: | May regulate AMPA receptor content at nascent synapses, and have a role in postsynaptic development and maturation.[UniProtKB/Swiss-Prot Function] |