

## Product datasheet for **MG204797**

### Sds (NM\_145565) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sds (NM_145565) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sds
Synonyms:	4432411H13Rik; SDH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204797 representing NM_145565 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCCCAGGAGTCCCTGCATGTGAAGACCCACTTCGTGACAGCATGGCGTTGTCCAAATTGGCCG  
GCACCAGCGTGTTCCTAAAAATGGACAGCTCCCAGCCCTCAGGCTCCTTCAAGATCCGAGGCATTGGGCA  
TCTCTGCAAGATGAAAGCAAAACAAGGCTGTAGACATTTGTCTGTTCTTCAGCTGGCAACGCGGGCATG  
GCGACCGCTACGCTGCCAGGAGGCTGGGCATCCCAGCCACTATCGTTGTGCCAACACCACACCTGCC  
TCACCATTGAGCGGCTCAAGAATGAAGGCGCCACAGTTGAAGTGGTGGGAGAGATGCTGGATGAGGCCAT  
CCAAGTGCCAAGGCTCTGGAAAAGAACAACCCGGTTGGGTGTACATTTCCCCCTTTGATGACCCCTCTC  
ATCTGGGAAGGCCACACTTCCCTTGTGAAAGAGCTGAAGGAGACGCTGAGCGCCAAGCCCGGGCTATCG  
TGCTGTCTGTGGCGGTGGAGGCCTGCTGTGCGGAGTGGTCCAGGGGCTGCGGGAGGTGGGCTGGGAGGA  
TGTGCCCATCATCGCCATGGAGACCTTTGGCGCCACAGCTTCCATGCTGCCATCAAGGAAGGAAAGCTG  
GTCACCCCTGCCAAGATCACCAGTGTGCGCAAGGCCTTGGGCGTGAACACTGTGCGGGCGCAGACCCCTGA  
AGCTGTTTTACGAACACCCCATTTCTCCGAGGTATCTCAGACCAGGAGGCTGTGTCTGCTCTTGAGAA  
GTTTCGTGGACGATGAGAAGATTCTGGTGGAGCCCGCTGCGGCGCGGCGCTGGCTGTGTACAGCCGC  
GTGGTGTGACGAGTGCAGGATGAAGGCCGCTGCAAACCCACTGGCCTCGTGGTTGTATCGTGTGTG  
GCGGCAGCAACATAAGCCTGGCGCAGCTGCAGGCACTCAAGGTGCAGCTGGGCCTGAACGGGCTGCCCGA  
G

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204797 representing NM\_145565  
 Red=Cloning site Green=Tags(s)

MAAQESLHVKTPLRDSMALSKLAGTSVFLKMDSSQPSGSFKIRGIGHLCKMKAKQGCRHFVCSAGNAGM  
 ATAYAARRLGIPATIVPNTTPALTIERLKNEGATVEVVGEMLDEAIQVAKALEKNNPGWVYISPFDDPL  
 IWEGHTSLVKELKETLSAKPGAIIVLSVGGGGLLCGVVQGLREVGWEDVPIIAMETFGAHSFHAAIKEGKL  
 VTLPKITSYAKALGVNTVGAQTLKLFYEHPIFSEVISDQEAVSALEKFDVDEKILVEPACGAALAAVYSR  
 VVCRLLQDEGRLQTPLASLVVIVCGGSNISLAQLQALKVQLGLNGLPE

TRTRPLE - GFP Tag - V

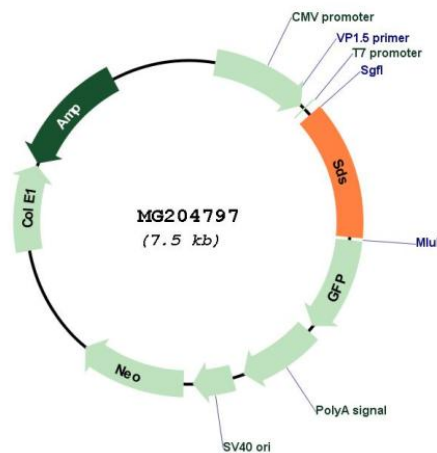
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_145565

ORF Size: 981 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_145565.1</a> , <a href="#">NP_663540.1</a>
<b>RefSeq Size:</b>	1164 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	231691
<b>UniProt ID:</b>	<a href="#">Q8VBT2</a>
<b>Cytogenetics:</b>	5 F