

## Product datasheet for **MG204725**

### Spdef (NM\_013891) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spdef (NM_013891) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spdef
Synonyms:	PDEF; Pse
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204725 representing NM_013891 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAGTGCCAGCCCAGGCCTGAGCAACGTGTCCCCGGTTGCCTGCTACTGTTCCAGATGTGGCAC  
CACGAACAGGGACGGAGAAGGCAGCATCAGGAGCAATGGGCCCTGAGAAGCAGGAATGGAGTCCTAGTCC  
ACCCGCCACCCCTGAGCAGGGCCTGTCTGCTTTCTACCTCTTACTTTAACATGTATCCCGACGATAGC  
AGCTGGGTCGCCAAAGTCCCGAGGCCGTGCCGGGAGGACCACCCGGAGGAGCCCGAGCAGTGTCCCG  
TCATTGACAGCCAGGCCTCTGGGAGCACGTTGGATGAGCACTCGCTAGAGCAGGTGCAATCGATGGTTGT  
GGGCGAGGTCCTGAAAGATATTGAGACGGCCTGCAAGCTTCTGAACATCACAGCAGACCCTGGGGACTGG  
AGCCCTGGTAACGTGCAGAAGTGGCTTTTATGGACAGAACCAGTACCCGGTGCCTCCAGCAGGCAAGG  
CCTTCCAGGAGCTGGGCGGTAAGGAGCTGTGCGCCATGTCCGAGGAACAGTTCCTGTCAGCGTGCACCCCT  
GGTGGGGATGTACTGCATGCCACCTGGACATCTGGAAGTCAGCGGCCTGGATGAAGGAGAGGACCTCG  
CCTGGGACCCCTCACTACTGCGCCTCCACCAGCAGGAGGGCTGGACGGATGGTGAAGTGGACTCGTCGT  
GCTCCGGGCAGCCATTCACCTGTGCCAGTTCCTGAAAGAAGTCTGCTCAAGCCCCACAGCTATGGCCG  
CTTCATCCGCTGGCTCAACAAGGAGAAAGGCATCTTCAAATTTGAGGACTCAGCACAGGTGGCCCCGACTG  
TGGGGTGTGCGCAAGAACCAGCCATGAACTATGATAAACTAAGCCGCTCCATCCGCCAGTATTACA  
AGAAGGGCATCATTGTAACCCGACATCTCTCAGCGCCTTGCTACCAATTTGTGCATCCAGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204725 representing NM\_013891  
 Red=Cloning site Green=Tags(s)

MGSASPLSNVSPGCLLLFPDVAPRTGTEKAASGAMGPEKQEWSPSPATPEQGLSAFYLSYFNMYPDDS  
 SWVAKVPEARAGEDHPPEPEQCPVIDSQASGSTLDEHSLEQVQSMVVGEVLKDIETACKLLNITADPGDW  
 SPGNVQKWLWTEHQYRLPPAGKAFQELGGKELCAMSEEQFRQRAPLGGDVLHAHLDIWKSAAWMKERTS  
 PGTLHYCASTSEEGWTDGEVDSSCSGQPIHLWQFLKELLLKPHSYGRFIRWLNKEKGIFKIEDSAQVARL  
 WGVKRNRPAMNYDKLSRSIRQYKKGIIIRKPDISQRLVYQFVHPV

TRTRPLE - GFP Tag - V

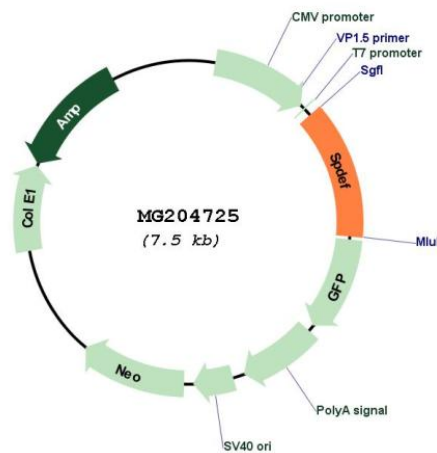
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_013891

ORF Size: 975 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_013891.4</a>
<b>RefSeq Size:</b>	1856 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	30051
<b>UniProt ID:</b>	<a href="#">Q9WTP3</a>
<b>Cytogenetics:</b>	17 A3.3
<b>Gene Summary:</b>	May function as an androgen-independent transactivator of the prostate-specific antigen (PSA) promoter. Binds to 5'-GGAT-3' DNA sequences. May play a role in the regulation of the prostate gland and/or prostate cancer development. Acts as a transcriptional activator for SERPINB5 promoter (By similarity).[UniProtKB/Swiss-Prot Function]