

## Product datasheet for **SC330284**

### SPDEF (NM\_001252294) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SPDEF (NM_001252294) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPDEF
Synonyms:	bA375E1.3; PDEF
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330284 representing NM_001252294. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGGCAGCGCCAGCCCGGGTCTGAGCAGCGTATCCCCAGCCACCTCCTGCTGCCCCCGACACGGTG  
 TCGCGGACAGGCTTGGAGAAGCGGCGAGCGGGGCGAGTGGGTCTCGAGAGACGGGACTGGAGTCCCAGT  
 CCACCCGCCACGCCGAGCAGGGCCTGTCCGCTTCTACCTCTCCTACTTTGACATGCTGTACCTGAG  
 GACAGCAGCTGGCAGCCAAGGCCCTGGGGCCAGCAGTCGGGAGGAGCCACCTGAGGAGCCTGAGCAG  
 TGCCCGGTCAATTGACAGCCAAGCCCCAGCGGGCAGCCTGGAAGTGGTGGCCGGAAGTGTCAAGGACATCGAGACGGCCTGC  
 AAGCTGTCTCAACATCACCAGCAGATCCCAGTGGAGTGGAGCCAGCAATGTGCAGAAGTGGCTCCTGTGG  
 ACAGAGACCAATACCGGCTGCCGCCATGGGCAAGGCCTTCCAGGAGCTGGCGGCAAGGAGCTGTGC  
 GCCATGTCTGGAGGAGCAGTTCGCCAGCGCTCGCCCCCTGGGTGGGGATGTGCTGCACGCCACCTGGAC  
 ATCTGGAAGTCAGCCTCGACCAAGTGGAGAGCTGGACCGACAGCGAGGTGGAGTGCATGCTCCGGG  
 CAGCCCATCCACCTGTGGCAGTTCCTCAAGGAGTTGCTACTCAAGCCCCACAGCTATGGCCGCTTCATT  
 AGGTGGCTCAACAAGGAGAAGGGCATCTTCAAAATTGAGGACTCAGCCAGGTGGCCCGGCTGTGGGGC  
 ATCCGCAAGAACCGTCCCGCCATGAACACGACAAGCTGAGCCGCTCCATCCGCCAGTATTACAAGAAG  
 GCATCATCCGGAAGCCAGACATCTCCAGCGCCTCGTCTACCAGTTCGTGCACCCCATCTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001252294
Insert Size:	960 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).


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**Reconstitution Method:**

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\\_001252294.1](#)

**RefSeq Size:** 1866 bp

**RefSeq ORF:** 960 bp

**Locus ID:** 25803

**UniProt ID:** [O95238](#)

**Cytogenetics:** 6p21.31

**Protein Families:** Transcription Factors

**MW:** 35.7 kDa

**Gene Summary:** The protein encoded by this gene belongs to the ETS family of transcription factors. It is highly expressed in the prostate epithelial cells, and functions as an androgen-independent transactivator of prostate-specific antigen (PSA) promoter. Higher expression of this protein has also been reported in brain, breast, lung and ovarian tumors, compared to the corresponding normal tissues, and it shows better tumor-association than other cancer-associated molecules, making it a more suitable target for developing specific cancer therapies. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

Transcript Variant: This variant (2) lacks an in-frame coding exon compared to variant 1. This results in a shorter isoform (2) missing an internal protein segment compared to isoform 1.