

Product datasheet for **RC224003**

SPT3 (SUPT3H) (NM_003599) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SPT3
Synonyms:	SPT3; SPT3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224003 representing NM_003599
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAATAATACGGCAGCTAGTCCAATGTCTACTGCAACTTCAAGTAGTGAAGGAGTACAGGGAAGTCTA
TAAGCTTTGCAACAGAATTACAGAGTATGATGTATTCTTTAGGTGATGCTAGAAGGCCTCTTCATGAAAC
AGCAGTTTTGGTAGAAGATGTGGTACACACTCAGTTAATTAATCTGTTACAGCAAGCTGCTGAAGTTTCT
CAGCTGCGGGGAGCAAGGTAATCACTCCTGAAGATCTTCTGTTTTGATGCGCAAAGATAAGAAAAAC
TTAGAAGACTGCTAAAATACATGTTTATCCGAGACTACAAATCAAAGATTGTCAAAGGCATCGATGAGGA
TGATCTTCTCGAAGACAAATTGAGTGGCAGCAATAATGCGAACAAAAGACAAAAGATTGCTCAGGACTTC
CTCAACTCTATTGACCAGACAGGAGAACTTTTAGCAATGTTTGAAGATGACGAAATTGATGAAGTTAAAC
AAGAAAGAATGGAGAGAGCAGAAAGACAACTCGAATTATGGATTCAGCTCAATATGCAGAATTCTGTGA
AAGTCGACAATTAAGTTTCTCCAAAAAGCTTCCAAATTCGAGACTGGTTGGACTGCAGCAGTATGGAG
ATAAAACCCAATGTTGTCGCAATGGAATCTTAGCATATTTAGCGTATGAACTGTGGCACAGTTAGTGG
ATCTGGCTCTTCTGTGAGGCAAGACATGGTAACCAAGGCAGGGGACCCCTTCAGCCATGCCATTTCTGC
AACCTTCATTCAAGTATCACAACCTGCTGAGAGCACTGCAGCCTGTGGTGTGAGGCTCACAGCGATGCC
ATCCAGCCCTGCCACATCAGAGAGGCCATTGACGCTACAGCCACAGGATTGGCCCACTTTCCCAATTCA
CAAATGCCTACCGCAGGAATGGGATGGCTTTTCTAGCCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC224003 representing NM_003599

Red=Cloning site Green=Tags(s)

MNNTAASPMSTATSSSGRSTGKKSISFATELQSMYSLGDARRPLHETAVLVEDVVHTQLINLLQQAAEVS
QLRGARVITPEDLLFLMRKDKKKLRLLKYMFIRDYKSKIVKGIDEDDLLEDKLSGSNNANKRQKIAQDF
LNSIDQTGELLAMFEDDEIDEVKQERMAERQTRIMDSAQYAEFCESRQLSFKKASKFRDWLDCSSME
IKPNVAMEILAYLAYETVAQLVDLALLVRQDMVTKAGDPF SHAISATFIQYHNSAESTAACGVEAHSDA
IQPCHIREAIRRYSHRIGPLSPFTNAYRRNGMAFLAC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

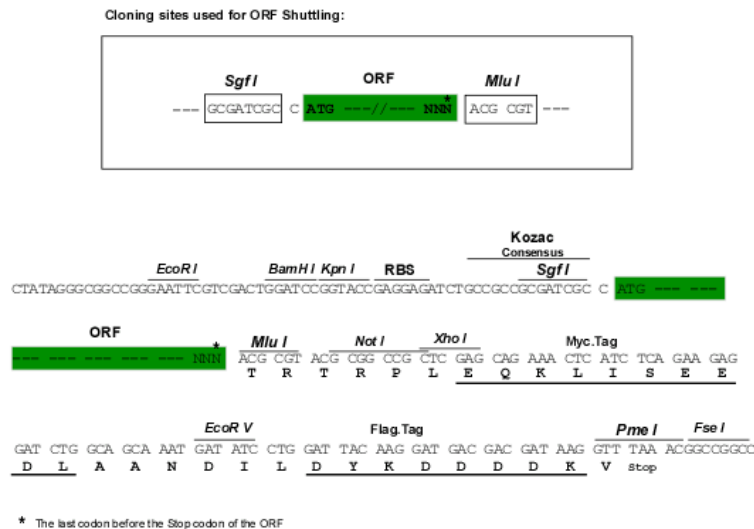
Chromatograms:

https://cdn.origene.com/chromatograms/mk8051_e02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_003599

ORF Size:

951 bp

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:

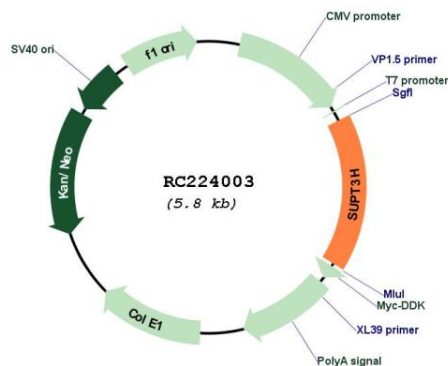
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_003599.4</u>
RefSeq Size:	1165 bp
RefSeq ORF:	954 bp
Locus ID:	8464
UniProt ID:	<u>O75486</u>
Cytogenetics:	6p21.1
Domains:	TFIID-18
Protein Families:	Stem cell - Pluripotency, Transcription Factors
MW:	35.6 kDa
Gene Summary:	Probable transcriptional activator.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC224003

Western validation with an anti-DDK antibody
 * L: Control HEK293 lysate R: Over-expression lysate

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