

Product datasheet for **RG224003**

SPT3 (SUPT3H) (NM_003599) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SPT3
Synonyms:	SPT3; SPT3L
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG224003 representing NM_003599
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG224003 representing NM_003599

Red=Cloning site Green=Tags(s)

MNNTAASPMSTATSSSGRSTGKSISFATELQSMYSLGDARRPLHETAVLVEDVVHTQLINLLQQAAEVS
QLRGARVITPEDLLFLMRKDKKLRRLKYMFIIRDYKSKIVKGIDEDDLLEDKLSGSNNANKRQKIAQDF
LNSIDQTGELLAMFEDDEIDEVKQERMAERQTRIMDSAQYAEFCESRQLFSKKASKFRDWLDCSSME
IKPNVVAMEILAYLAYETVAQLVDLALLVRQDMVTKAGDPFSHAISATFIQYHNSAESTAACGVEAHSDA
IQPCHIREAIRRYSHRIGPLSPFTNAYRRNGMAFLAC

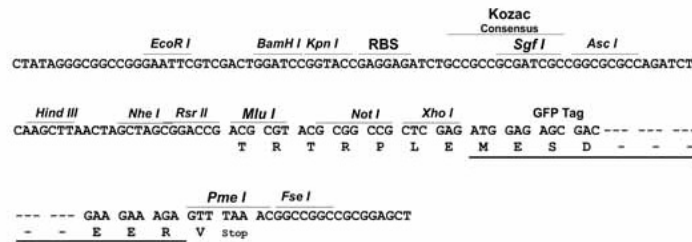
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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: [NM_003599.4](#)

RefSeq Size: 1165 bp

RefSeq ORF: 954 bp

Locus ID: 8464

UniProt ID: [O75486](#)

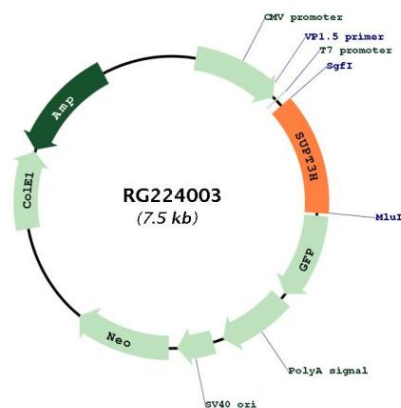
Cytogenetics: 6p21.1

Domains: TFIID-18

Protein Families: Stem cell - Pluripotency, Transcription Factors

Gene Summary: Probable transcriptional activator.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG224003