

Product datasheet for **RC225005**

SPINT3 (NM_006652) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: Myc-DDK
Symbol: SPINT3
Synonyms: HKIB9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225005 representing NM_006652
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGCTTCAGGCCTCTCTCTCGTTTCTCCTGATTCTCACTCTCTGCCTAGAGCTTCGATCAGAACTAG
CACGAGACACTATCAAGGATCTCCTCCAAATGTATGCGCTTTTCCTATGGAAGGGCCCTTGTCAAAC
CTACATGACGCGATGGTTTTCAACTTTGAACTGGTGAATGTGAGTTATTTGCTTACGGAGGCTGCGGA
GGCAACAGCAACAACTTTTGAGGAAAGAAAAATGTGAGAAATTCTGCAAGTTCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225005 representing NM_006652
Red=Cloning site Green=Tags(s)

MQLQASLSFLLILTLCLRLSELARDTIKDLLPNVCAFPMEKGPCQTYMTRWFFNFETGECELFAYGGCG
GNSNNFLRKEKCEKFCFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8044_f12.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_006652

ORF Size: 267 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).

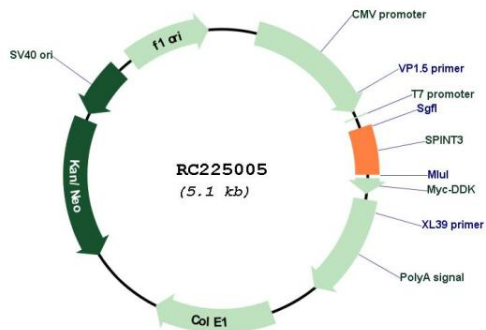
Reconstitution Method:

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.

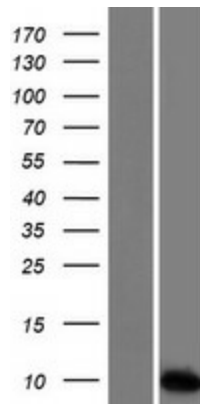
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006652.2](#)
 RefSeq ORF: 270 bp
 Locus ID: 10816
 UniProt ID: [P49223](#)
 Cytogenetics: 20q13.12
 MW: 10.1 kDa

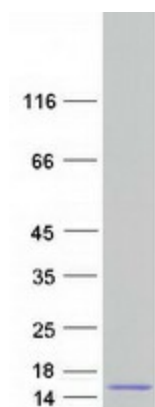
Product images:



Circular map for RC225005



Western blot validation of overexpression lysate (Cat# [LY429308]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225005 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SPINT3 protein (Cat# [TP325005]). The protein was produced from HEK293T cells transfected with SPINT3 cDNA clone (Cat# RC225005) using MegaTran 2.0 (Cat# [TT210002]).