

Product datasheet for RC229676

SAP25 (NM_001168682) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SAP25
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC229676 representing NM_001168682
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTCCACTAGCGCCCTGGGACCCCAAGTATGAAGCCAAAGCAGGACCTCGGCCGGTGTGGGGGGCCA
ACTGTAGCTCAGGAGCCTCGTTCTCAGGCCGGACGCTGTGTACCCCTCATTCTGGCCGCTGTATGAAGC
AGCCTCGGGCAGGGGTCTCAGGCCCGTGGCCCTGCCACAGGGCACTGGAATGGACAGCAGGCGCCCCCA
GATGCAGGGTTCCCGGTGGTGTGTGAAGATGTCTTCTCTCGGACCTCTGCTGCCCGGGGGCAGC
GTGTTCCCTGTACCTGTCCAAGGCCCCCCAGCAGATGATGGGCTCCCTGAAACTGCTGCCCGCCCCC
CATCATGTCTGCCAGGGTGTCCCCGCCCATCACCTCCCGGGGGCCCTCCACTGCCTGGCTCAGCGGG
CCGGAGCTGATCGCTCTCACTGGCCTGCTGCAGATGAGCCAGGGGGAGCCTAGGCCAGCTCTCCGCGG
TTGGCCCCCAGACCATACCTCTGACCCACCCAGCCCCTGTGGTAGCCCCAGCAGTTCTCAGGGTGTGA
CCTCTCTCTCCACAGACCCACAGACCCATTGTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229676 representing NM_001168682
Red=Cloning site Green=Tags(s)

MTPLAPWDPKYEAKAGPRPVWGANCSSGASFSGRTLCHPSFWPLYEAASGRGLRPVAPATGHWNGQQAPP
DAGFPVVCEDVFLSDPLLPRGQRVPLYLSKAPQQMMGSLKLLPPPPIMSARVLPSPSPSRGPSTAWLSG
PELIALTGLLQMSQGEPRPSSAVGPPDHTSDPPSPCGSPSSSQGADLSLPQTPDTHCP

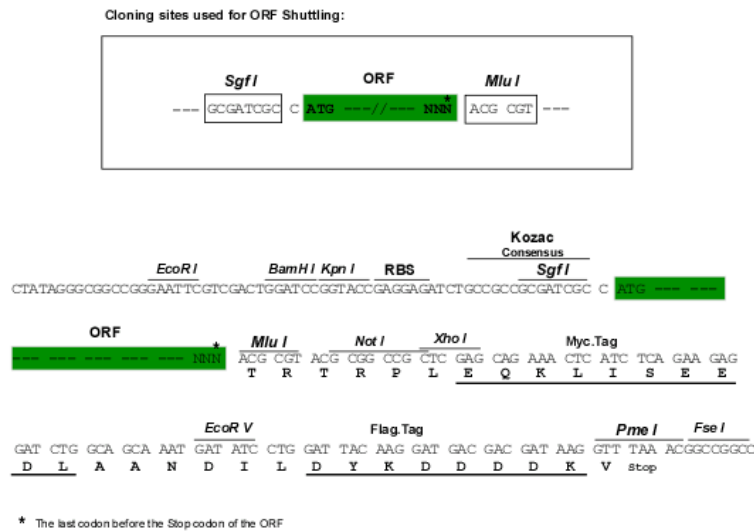
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8037_a12.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001168682

ORF Size: 597 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_001168682.1, NP_001162153.1

RefSeq ORF: 873 bp

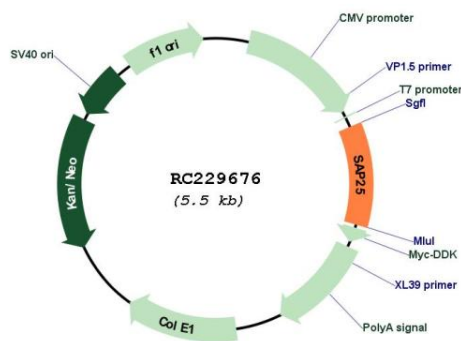
Locus ID: 100316904

Cytogenetics: 7q22.1

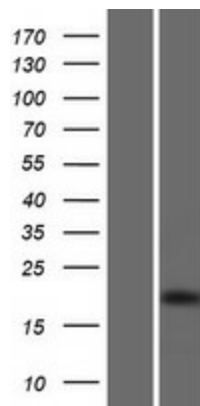
MW: 21.3 kDa

Gene Summary: Involved in the transcriptional repression mediated by the mSIN3A but not the N-CoR corepressor complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC229676



Western blot validation of overexpression lysate (Cat# [LY432676]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229676 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).