

Product datasheet for RC229166

SH3YL1 (NM_015677) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	SH3YL1
Synonyms:	RAY
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC229166 representing NM_015677
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATAACCCCTATACCTTCCAATTTGAAATCAGAAGCAAAAAAGGCTGCCAAAATATTAAGAGAATTCA
CAGAAATAACTTCCAGAAATGGACCTGATAAGATCATTCTGCTCACGTAATTGCGAAGGCTAAAGGCCT
TGCAATTCTGTCTGTGATCAAAGCCGGGTTCTGGTGACTGCCAGAGGAGGCAGCGGATTGTAGTGCG
CGCCTTCCAGATGGAAAATGGTCTGCACCTCAGCCATTGGGATAGCTGGCCTTGGTGGAGGATTTGAAA
TAGGAATTGAGGTATCAGACTTGGTGATAATTCTGAATTATGACCGTGCTGTAGAAGCTTTTGCAAAAGG
CGGAAATCTGACCTCGGAGGGAATTGACTGTGGCGGTTGGGCCCTTGGGAAGGAATTGGAAGGAAAC
GTGGCCCTGAGAAGCTCCGCTGCCGTCTTCACGTACTGCAAGTCAAGGGGACTCTTTCAGGCGTGTCTT
TAGAAGGGAGCTGTTTGATTGAAAGGAAAGAACTAATAGAAAATTTTATTGTCAAGATATCCGAGCTTA
TGACATTTTATTTGGAGATACACCGCGGCTGCTCAAGCCGAAGATCTTTATGAAATTCCTTGATTCTTT
ACTGAAAAGTATGAAAATGAAGGACAACGAATCAATGCAAGAAAAGCAGCAAGGGAGCAGAGGAAGTCTT
CTGCTAAAGAATTACCTCCAAGCCATTGTCAAGACCACAGCAGTCATCTGCACCAGTCCAGCTGAATC
TGGCTCTCAAAGTAACAGAAATGAATATAAGCTCTATCCTGGACTTCCAGCTATCATGAGAGAGTTGGC
AATTTGAATCAACCCATAGAAGTGACAGCGCTGTATTCAATTTGAAGGACAGCAGCCTGGGGATTTGAAT
TTCAAGCTGGAGACAGAATCACAGTTATATCAAAAACAGATTCACATTTTGATTGGTGGGAAGGAAAAC
TCGAGGTCAAACCTGGCATTCTTCCAGCCAACTACGTAACCATGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC229166 representing NM_015677

Red=Cloning site Green=Tags(s)

MNNPIPSNLKSEAKKAAILREFTEITSRNGPDKIIPAHVIAKAKGLAILSVIKAGFLVTARGGSGIVVA
RLPDGKWSAPSAIGIAGLGGGFEIGIEVSDLVILNYDRAVEAFAGGNLTGGNLTVAVGPLGRNLEGN
VALRSSAAVFTYCKSRGLFAGVSLEGSCLIERKETNRKFYCQDIRAYDILFGDTPRPAQEDLYEILDSF
TEKYENEGQRINARKAAREQRKSSAKELPPKPLSRPQQSSAPVQLNSGSQSNRNEYKLYPGLSSYHERVG
NLNQPIEVTALYSFEGQQPGDLNFQAGDRITVISKTDSHFDWEGKLRGQTGIFPANYVTMN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

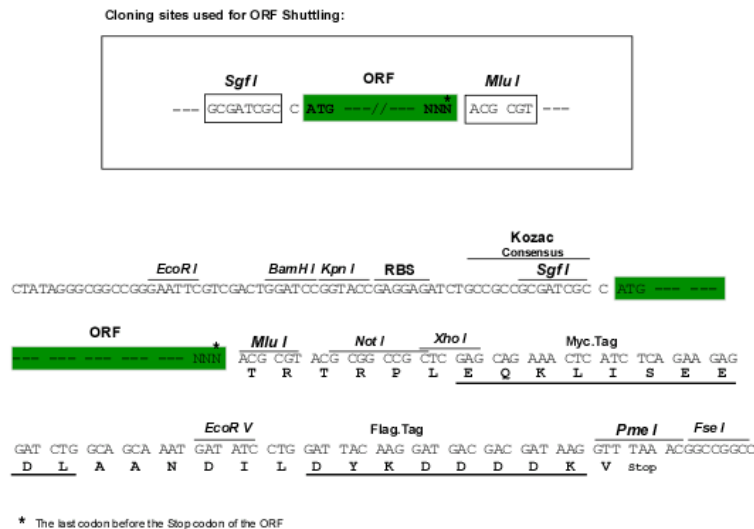
Chromatograms:

https://cdn.origene.com/chromatograms/ja1480_b12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_015677

ORF Size:

1026 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_015677.4](#)

RefSeq ORF: 1029 bp

Locus ID: 26751

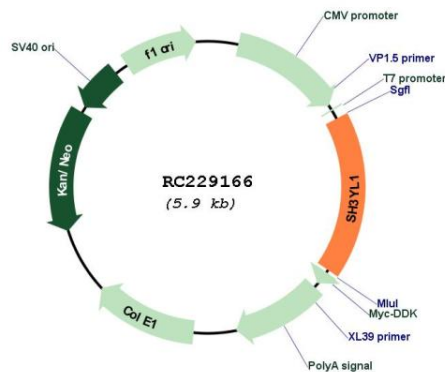
UniProt ID: [Q96HL8](#)

Cytogenetics: 2p25.3

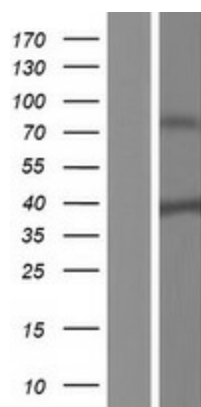
Domains: SH3, DUF500

MW: 37 kDa

Product images:



Circular map for RC229166



Western blot validation of overexpression lysate (Cat# [LY432190]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC229166 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).