

Product datasheet for MR206666

Sh3d19 (BC031117) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3d19 (BC031117) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sh3d19
Synonyms:	AW011754; Kryn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206666 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTTCAGAAGAAGCAAAGCCACTTTGTATCTGGACTCTCAAAGCCAAGAGTCAAATCTTTAAA
ACCAAGATCCGGTGTACCCCTCGTCCCAAACCGGGACACCCTCTACAGGAAATACATGCTGTCTGT
GCCTCATGGAATTGCCAATGAAGACATTGTCTCCGAAACCCACGGAATCTCTGTAAGCGTGGGGAT
GTCCTTGTGATCCTGAAGCAGGCAGAAAATAATTACTTGAATGCCAACGGGAGAAGGCACCGGCAGAG
TCCACCCATCCCAGATGAAGATTGTCACTCCCTGGACGAGCGCCGAGAGGCAGACCTAACGATTCAGG
CCACAGTCAGAAGCCTGTAGACAGTGGTGTCTCACGCTGTGGCTTTCATGATTTCCACAGCAGAGCAA
GCTGACGATCTGAGTCTCACATCTGGAGAGATTGTTTATCTTCTCGAAAAATAGATGCAGAGTGGTACA
GAGGGAATGTAGGAACCAGACTGGCGTGTTCCTGCCAATTACGTCAAAGTCATTGTTGATATCCAGA
AGGAAGAAGTGGAAAAAGAGAATCCTTTTCATCTCACTGTGCTAAAGGCCACGTTGTGTCGCACGGTTT
GAGTATATTGGAGACCAGAAGGATGAGTTAAGTTTCTCAGAGGGAGAAGTCATTATCTCACAGAGTACG
TGAATGAAGAATGGGCGAGAGGAGATTCGAGACCGGAGCGGGATCTTCCCTGAATTTGTGGAGCT
TGTTGGGGATCACCCACATCTGGTGCAAATATTTAAGTACAAAGGTGCCACCAAGACCAAAAACGAA
GACCCTGGCTCAAATTCAGGACAGCAGCCCTCCTGGAGAATGGTGCAAAGCTTTCACAGTTTCACAG
CAGAGACCAGCGAGGACTTACCCTTCAAACGCGGAGATCGGATCCTGATCCTGAACGTCTAGATTCGGA
CTGGTACCGGGCCGACTGCATGACAGGGAGGGCATCTTCCAGCAGTGTGTTGTGCAACCTGCCAGCT
GAGGCAAAAGGTGTGGCTTCCGCAATACCGAAGGGGAGGAAGGTTAAAGCCCTGTATGATTTCTGGGG
AGAACGAAGATGAGCTCTTTCAAGGCTGGAGACGTAATAACGGAGCTGGAGCCATAGATGATGCCTG
GATGCGTGGAGAATAATGGGAAGAGCTGGAATGTTTCCAAAAACTACGTTTCAGTTTCTACAAGTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206666 protein sequence
Red=Cloning site Green=Tags(s)

MDLQKKQSHFVSGLSKAKSQIFKNQDPVLP RP KP GH PL YRKYMLSVPHGIANEDIVSRNPTEL SCKRGD
 VLVILKQAENNYLECRGEGTGRVHPSQMKIVTPLDERPRGRPND SGHSQKPVDSGAPHAVALHDFPAEQ
 ADDLSLTSGEIVYLLEKIDA EWYRGKCRNQ TGVFPANYVKVIVDIPEGRSGKRESFSSHCAKGPRCVARF
 EYIGDQKDEL SFSEGEV IILTEYVNEEWGRGEIRD RSGIFPLNFVELVDHPTSGANILSTKVPPKTKNE
 DPGSNSQDSSPPGEWCKALHSFTAETSEDL PFKRGDRIL ILERLSDSWYRGLHDREGIFPAVFVQPCPA
 EAKGVASAI PKGRKVKALYDFLGENEDEL SFKAGDVIT EPIDDAWMRGELMGRAGMFPKNYVQFLQVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC031117

ORF Size: 1260 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.

RefSeq: [BC031117](#), [AAH31117](#)

RefSeq Size: 3385 bp

RefSeq ORF: 1262 bp

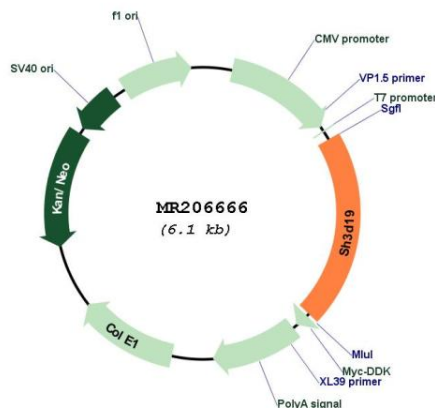
Locus ID: 27059

Cytogenetics: 3 F1

MW: 46.9 kDa

Gene Summary: May play a role in regulating A disintegrin and metalloproteases (ADAMs) in the signaling of EGFR-ligand shedding. May be involved in suppression of Ras-induced cellular transformation and Ras-mediated activation of ELK1. Plays a role in the regulation of cell morphology and cytoskeletal organization (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206666