

Product datasheet for **MG206666**

Sh3d19 (BC031117) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh3d19 (BC031117) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sh3d19
Synonyms:	AW011754; Kryn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206666 representing BC031117 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGATCTTCAGAAGAAGCAAAGCCACTTTGTATCTGGACTCTCAAAGCCAAGAGTCAAATCTTTAAA
ACCAAGATCCGGTGTACCCCTCGTCCCAAACCGGGACACCCTCTACAGGAAATACATGCTGTCTGT
GCCTCATGGAATTGCCAATGAAGACATTGTCTCCGAAACCCACGGAATCTCTTGAAGCGTGGGAT
GTCCTTGTGATCCTGAAGCAGGCAGAAAATAATTACTTGAATGCCAACGGGAGAAGGCACCGGCAGAG
TCCACCCATCCCAGATGAAGATTGTCACCTCCCTGGACGAGCGCCGAGAGGCAGACCTAACGATTCAGG
CCACAGTCAGAAGCCTGTAGACAGTGGTCTCCTCACGCTGTGGCTTTCATGATTTCCACAGCAGAGCAA
GCTGACGATCTGAGTCTCACATCTGGAGAGATTGTTTATCTTCTCGAAAAATAGATGCAGAGTGGTACA
GAGGAAATGTAGGAACCAGACTGGCGTGTTCCTGCCAATTACGTCAAAGTCATTGTTGATATCCAGA
AGGAAGAAGTGGAAAAAGAGAATCCTTTTCATCTCACTGTGCTAAAGGCCACGTTGTGTCGCACGGTTT
GAGTATATTGGAGACCAGAAGGATGAGTTAAGTTTCTCAGAGGGAGAAGTCATTATTCTCACAGAGTACG
TGAATGAAGAATGGGACAGAGGAGATTCGAGACCGGAGCGGGATCTTCCCTGAATTTGTGGAGCT
TGTTGGGATCACCCACATCTGGTGCAAATATTTAAGTACAAAGGTGCCACCAAGACCAAAAACGAA
GACCCTGGCTCAAATTCAGGACAGCAGCCCTCCTGGAGAATGGTGCAAAGCTTTCACAGTTTCACAG
CAGAGACCAGCGAGGACTTACCCTTCAAACGCGGAGATCGATCCTGATCCTGAACGTCTAGATTCGGA
CTGGTACCGGGCCGACTGCATGACAGGGAGGGCATCTTCCAGCAGTGTGTTGTGCAACCTGCCAGCT
GAGGCAAAGGTGTGGCTTCCGCAATACCGAAGGGGAGGAAGGTTAAAGCCCTGTATGATTTTCTGGGG
AGAACGAAGATGAGCTCTTTCAAGGCTGGAGACGTAATAACGGAGCTGGAGCCATAGATGATGCCTG
GATGCGTGGAGAATAATGGGAAGAGCTGGAATGTTTCCAAAACTACGTTTCAGTTTCTACAAGTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206666 representing BC031117
 Red=Cloning site Green=Tags(s)

MDLQKKQSHFVSGLSKAKSQIFKNQDPVLP RP KPGHPLRKYMLSVPHGIANEDIVSRNPTELSCKRGD
 VLVILKQAENNYLECRGEGTGRVHPSQMKIVTPLDERPRGRPNDSGHSQKPVDSGAPHAVALHDFPAEQ
 ADDLSLTSGEIVYLLEKIDAEWYRGKCRNQTGVFPANYVKVIVDIPEGRSGKRESFSSHCAKGPRCVARF
 EYIGDQKDELSEGEVILTEYVNEEWGRGEIRDRSGIFPLNFVELVGDHPTSGANILSTKVPPKTKNE
 DPGSNSQDSSPPGEWCKALHSFTAETSEDLPFKRGRDRIILERLSDSWYRGLHDREGIFPAVFVQPCPA
 EAKGVASAI PKGRKVKALYDFLGENEDEL SFKAGDVITELPIDDAWMRGELMGRAGMFPKNYVQFLQVS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC031117

ORF Size: 1262 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

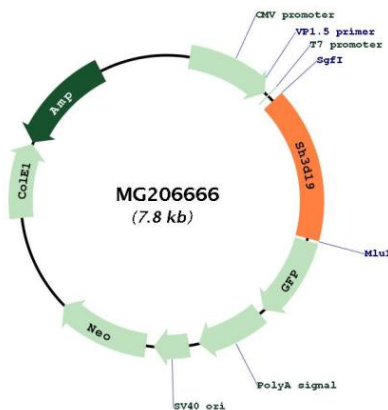
RefSeq ORF: 1262 bp

Locus ID: 27059

Cytogenetics: 3 F1

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 MG206666