

Product datasheet for **RR204857**

Sh2d2a (NM_207605) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sh2d2a (NM_207605) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sh2d2a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204857 representing NM_207605 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCTGCTTGGCCAGACATGTCCCAAGGAATCATGAAGCCACCTCCCCAACCTTCAGCACCT
TCCAGCCCATGAACCTGACCCAGGGGAGATGCCAGGACTTGGTGTGGGGCAAGCCAGCATGCAGGC
TCTGAGGGAACAGGAGGTTTCAGCTCAGCCAGGGTACCCACACGGTGGCTCTGCCTCAGCCCCAGGA
GCTGCCTGGGTCTAGAGAGTGTCAACAGGGAGGAAGAGAACCTGGAAAGGTGAAGTGTCAAGTCAAG
CTGAGACCAGAGCATGGTTTCAAGAACCCAGGCCACTGGCTCTTGTCTCAGGACTGCCCGCTTTGGTT
CCATGGCTTCAATACCAGAAGGGAAGCTGAGAGGCTACTGCAGTCCCAACCTCTAGGATGCTATCTGGTG
CGCTTCAGCGAGAGCGCTGTGACCTTCGTGCTGTCTACAGGAGCCGAACCTGCTGCCGTCACCTCTCC
TTGCTCAGCTAGGGGATGGGCGCCACGTGGTGTGGTGAAGACAGTGCCCACTCGCAGCTTCAGGACCT
GCTTCAACACTACACAGAGTGCCCCCTCAGCCCCACGGGGAGATGCTCACCAACCCCTTGCTCGCCAG
ACAGCTGAGCCTGCCGTCTTTCCCTAAGGGTGAATCAGACTCTGGAAGCAGAAGACAGGACCCAGACA
CCCAGCACAGCCTGTTTCATCCAACAGGGGAGGCCATGCCAGGCCCCAGGACATAAAGAGAAAGTGAG
GGCCTCCCAACAGAAGAAGACTTCCCAGGCATCCAGACCCAGGCCCCCACTTCTGCCAAGCCTCAGCTA
CCTCTTGAAGTCTACACAAGTCCTGCTCCACGACCTCATCAGGCCCTACCCATTAAACCCGCTTACCAGG
AGCCTGATGAACCATAGCCTTCTATGCCATGGGGCGGGCAGCCCTGGGGATGCTCCTAGTAATATCTA
TGCTGAGGTGGATGGCCACGGGAAATGCTACCCATTGGGCACCCACCCCTCCATAAGTGTGGTCCAGG
CCTATCTCAGGAGGCCAGGGAAGGGGTACAGGGAAAGAAAAGCTCAAGAAGGCCAGCAGGAAGAGGGA
GCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR204857 representing NM_207605
Red=Cloning site Green=Tags(s)

MEFCLAQTC PQNHEATSPTFSTFQPMNLTQGRCDL GCGGKPSMQALREQEVQLSPRVTHTVASASAPG
 AAWVLESVNREEEEPGK GELSLQAETRAWVQKTQAHWLLLR TAPLWFHGFITRREAERLLQSPLGCVLV
 RFSESAVTFVL SYRSRTCCRHFLLAQLGDGRHVVLGEDSAHSQ LQDLLQHYTECPLSPYGEMLTQPLARQ
 TAEPAGLSLRGESDSGSR RQDPDTQHSLFIQQGQAHAQAPGHKEKVRASQQK KTSQASRPRPP IPAKPQL
 PLEVYTS PAPERPHQALP INPVYQEPDEPIAFYAMGRGSPGDAPSNIYAEVDGPREMLPIGHPTLHKCWSR
 PISGGQKG VQGGKSSRRPAGRGSPS

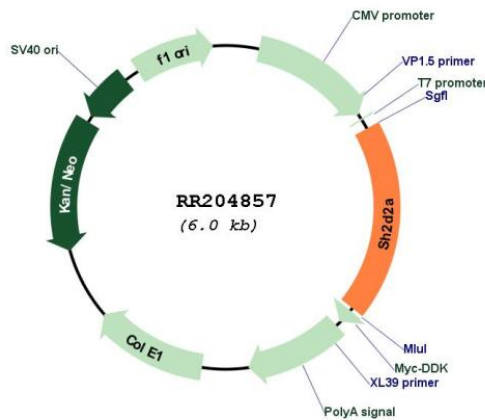
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_207605

ORF Size:	1128 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:	<ol style="list-style-type: none">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:	NM_207605.3 , NP_997488.2
RefSeq Size:	1587 bp
RefSeq ORF:	1131 bp
Locus ID:	310688
Cytogenetics:	2q34
MW:	41.3 kDa
Gene Summary:	T cell-specific SH3/SH2 adaptor protein; may be a transcriptional regulator; may be a marker for T cell proliferation [RGD, Feb 2006]