

Product datasheet for **MR222600**

Setdb1 (NM_018877) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Setdb1 (NM_018877) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Setdb1
Synonyms: AU022152; ESET; KMT1E; mKIAA0067
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR222600 representing NM_018877
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCTCCCTCCCTGGGTGCATGAGTTGGCTGCAGCGCCAGCTGCAGCTGACTCTGCAGAGATTGCTG
AGCTGCAGCAGGGTGGTTGAAGAGCTGGGTATCTCTATGGAGGAACCTCGTCAGTACATTGATGAGGA
ACTGGAAGATGGACTGCATACAGCAGCGCAAGAAGCAGCTCGCAGAGCTGGAGACGTGGTACTACAG
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CCGGCCACAGAGATCATTGAGATTCTGATGAAGATGATGATGTCTCAGTATTGATTCAGGTGATGCT
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CCCCAAGCAGCTGACACTGAAAGCTTAGAAAAGCAACTTGCACAATCACGGAACAAGTAGCCAAGAAG
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ATGTGTCTGCTGGGAACTTGGGATAAACCAGACATATCGGTCACCTTTGGCCTCAGTAACATCTACCCC
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Protein Sequence: >MR222600 representing NM_018877
 Red=Cloning site Green=Tags(s)

MSSLPGCMSLAAPAAADS AEI AELQQAVVEELGISMEELRQYIDEELEKMDCIQQRKKQLAELETWV LQ
 KESEVAYVDR L FDDASREVTNCE SLVKDFYSKLGLQYHDSSEDEASRPEIIEIPDEDDDLVLSIDSGDA
 GSRTPKDQKLREAMAALRKS AQDVQKFM DAVNKKSSSQDLHKGTLGQVSGELSKDGD L I VSMRILGKKRT
 KTW HKGTLIAIQTVGLGKKYKVKF DNKGKSLLSGNHIA YDYHPPADKLFV GSRVVAKYKDNQVWLYAGI
 VAETPNVKNLRF L IFFDDGYASYVTQSELYPICRPLKKTWEDIEDSSCRDFIEEYITAYPNRPMVLLKS
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 PGPLAPP AFHGMLERAPA EPSYRAPMEKLFYLPHVCSYTCLSRIRPMRNEQYRGKNPLL VPLL YDFRMT
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 TYGKEDVPLSCVNEIDTTPPPQVAYSKERIPGKGVFINTGPEFLVGCDCKDGRDKSKCACHQLTIQATA
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 IAKGSFVCIYAGKILTDDFADKEGLEMGDEYFANLDHIESVENFKEGYESDVPTSSDSSGVMDKQEDGN
 SGSEDP EESNDDSSDNFCKDEDFSTSSVRSYATRRQTRGQKENELSEMTSKDSRPPDLGPPHVP
 IPSSVSVGGCNPSSSEETPKNKVASWLS CNSVSEGGFADSDSRSSFKTSEGGDGRAGGGRGEAERASTSGLSFK
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 SSTESEGESGTSRKPTAGHTSATAVDSDDIQTISSGSDGDDFEDKKNL SGPTKRQVAVKSTRGFALKSTH
 GIAIKSTNMASVDKGESAPVRKNTRQFYDGEESCYI I DAKLEGNLGRYLNHSCSPNL FVQNVFVDTHDLR
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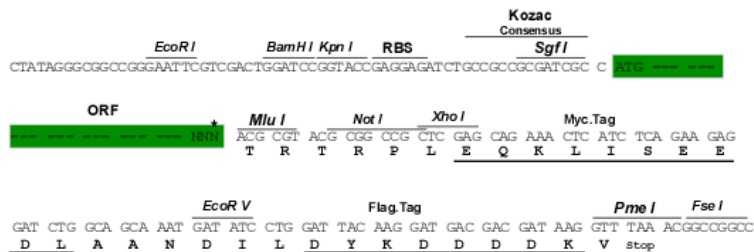
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

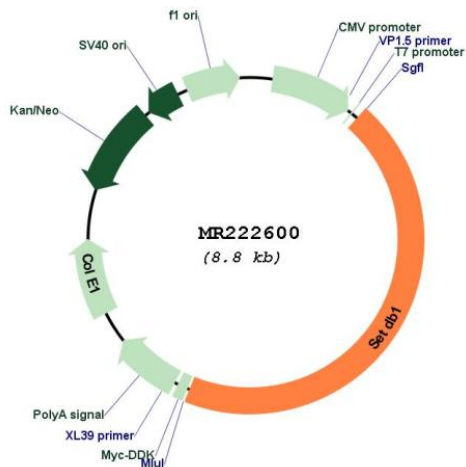
Cloning Scheme:

Sgfl-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_018877

ORF Size: 3924 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: [NM_018877.3](#), [NP_061365.3](#)

RefSeq Size: 4644 bp

RefSeq ORF: 3927 bp

Locus ID: 84505

Cytogenetics: 3 F2.1

MW: 145.1 kDa