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Product datasheet for MR210482

Setdb1 (BC079537) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Setdb1 (BC079537) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Setdb1
Synonyms:	ESET, mKIAA0067
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210482 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCTCCCTCCCTGGGTGCATGAGTTTGGCTGCAGCGCCAGCTGCAGCTGACTCTGCAGAGATTGCTG
AGCTGCAGCAGGCGGTGGTTGAAGAGCTGGGTATCTCTATGGAGGAACTTCGTCAGTACATTGATGAGGA
ACTGGAAAAGATGGACTGCATACAGCAGCGCAAGAAGCAGCTCGCAGAGCTGGAGACGTGGGTACTACAG
AAAGAGTCTGAAGTGGCTTATGTTGATCGGCTGTTTGATGATGCATCCAGGGAAGTGACTAACTGTGAGT
CTTTGGTGAAGGATTTCTACTCTAAGCTGGGACTACAGTATCATGACAGTAGCTCTGAGGATGAAGCTTC
CCGGCCCACAGAGATCATTGAGATTCCTGATGAAGATGATGATGTCCTCAGTATTGATTCAGGTGATGCT
GGGAGCAGAACTCCAAAAGACCAGAAGCTTCGTGAAGCTATGGCTGCCTTAAGAAAATCAGCTCAAGATG
TCCAGAAGTTCATGGATGCTGTCAACAAGAAAAGCAGTTCTCAAGATCTACATAAAGGAACCTTGGGTCA
GGTGTCTGGAGAACTGAGCAAAGATGGGGACCTGATAGTCAGCATGCGGATTCTGGGCAAGAAGAGGACT
AAGACATGGCACAAAGGCACCCTTATTGCCATCCAGACTGTTGGGCTAGGAAAAAAATACAAAGTGAAAT
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GCTGTTTGTGGGCAGTCGAGTGGTGGCCAAGTACAAAGATGGAAATCAGGTCTGGCTTTATGCTGGCATT
GTAGCTGAGACCCCTAACGTCAAGAACAAGCTCAGATTTTTAATTTTTTTTGATGATGGCTATGCTTCCT
ATGTCACTCAGTCAGAGCTTTATCCCATTTGCCGACCACTAAAAAAGACTTGGGAGGACATAGAAGATAG
CTCCTGCCGAGACTTCATAGAGGAATATATCACTGCCTATCCAAACCGCCCAATGGTACTTCTCAAGAGT
GGGCAGCTTATCAAGACTGAGTGGGAAGGCACATGGTGGAAGTCTCGAGTTGAAGAGGTGGATGGCAGCC
TAGTCAGGATCCTCTTTCTGGATGACAAAAGATGTGAGTGGATATATCGAGGCTCTACACGCCTGGAACC
TATGTTTAGTATGAAGACATCCTCAGCCTCTGCAATGGAGAAGAAGCAAGGGGGGCAACTCAGAACCCGT
CCTAATATGGGTGCTGTGAGGAGCAAAGGTCCTGTTGTTCAGTATACACAGGATCTAACTGGTACTGGAA
TCCAGTTTAAGCCCATGGAGCCCCTACAGCCTATAGCTCCACCGGCCCCACTTCCTATACCTCCTCTTTC
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ACATCATTCCGACCAGGATCTGTGGGCTCCGGCCATTCCTCCCCTACTTCATCCACACTCAGTGAAAATG
TGTCTGCTGGGAAACTTGGGATAAACCAGACATATCGGTCACCTTTGGCCTCAGTAACATCTACCCCAGC
ATCTGCAGCCCCTCCAGTCCCTCCAGTCCCACCAGGGCCTCCAACCCCTCCAGGGCCTCCAGCTCCTCCA
GGGCCTCTAGCTCCTCCAGCCTTCCATGGCATGTTAGAGCGGGCACCAGCTGAGCCCTCCTACCGAGCCC
CCATGGAGAAGCTTTTCTATTTACCTCATGTCTGCAGTTACACTTGTTTGTCCCGGATCAGACCCATGAG
AAACGAACAGTATCGGGGCAAGAACCCTCTATTAGTTCCACTTCTGTATGACTTCCGGAGGATGACAGCA
CGGCGCAGAGTTAACCGCAAAATGGGCTTTCATGTAATCTATAAGACACCCTGTGGTCTCTGCCTTCGGA
CGATGCAGGAGATAGAGCGCTACCTTTTTGAGACTGGCTGTGACTTTCTGTTCCTGGAGATGTTCTGTTT
GGATCCATATGTTCTTGTTGACAGAAAGTTTCAACCCTTTAAGCCTTTTTACTATATTTTGGACATCACC
TATGGCAAGGAAGATGTTCCCCTGTCCTGTGTTAATGAGATTGACACAACTCCCCCACCCCAGGTGGCCT
ACAGCAAGGAACGCATTCCTGGCAAGGGTGTTTTCATTAACACAGGCCCTGAATTTCTGGTTGGCTGTGA
CTGCAAGGATGGGTGTCGGGATAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

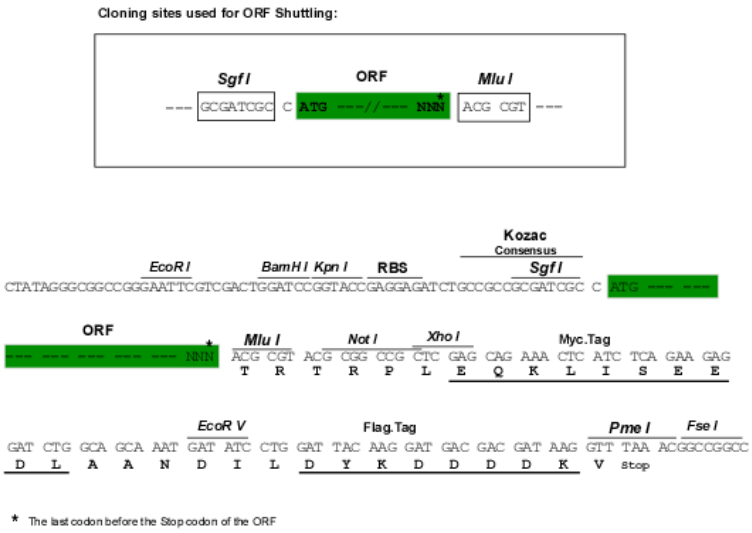
>MR210482 protein sequence
Red=Cloning site Green=Tags(s)

MSSLPGCMSLAAAPAAADSAEIAELQQAVVEELGISMEELRQYIDEELEKMDCIQQRKKQLAELETWVLQ
KESEVAYVDRLFDDASREVTNCESLVKDFYSKLGLQYHDSSSEDEASRPTEIIEIPDEDDDVLSIDSGDA
GSRTPKDQKLREAMAALRKSAQDVQKFMDAVNKKSSSQDLHKGTLGQVSGELSKDGDLIVSMRILGKKRT
KTWHKGTLIAIQTVGLGKKYKVKFDNKGKSLLSGNHIAYDYHPPADKLFVGSRVVAKYKDGNQVWLYAGI
VAETPNVKNKLRFLIFFDDGYASYVTQSELYPICRPLKKTWEDIEDSSCRDFIEEYITAYPNRPMVLLKS
GQLIKTEWEGTWWKSRVEEVDGSLVRILFLDDKRCEWIYRGSTRLEPMFSMKTSSASAMEKKQGGQLRTR
PNMGAVRSKGPVVQYTQDLTGTGIQFKPMEPLQPIAPPAPLPIPPLSPQAADTDLESQLAQSRKQVAKKS
TSFRPGSVGSGHSSPTSSTLSENVSAGKLGINQTYRSPLASVTSTPASAAPPVPPVPPGPPTPPGPPAPP
GPLAPPAFHGMLERAPAEPSYRAPMEKLFYLPHVCSYTCLSRIRPMRNEQYRGKNPLLVPLLYDFRRMTA
RRRVNRKMGFHVIYKTPCGLCLRTMQEIERYLFETGCDFLFLEMFCLDPYVLVDRKFQPFKPFYYILDIT
YGKEDVPLSCVNEIDTTPPPQVAYSKERIPGKGVFINTGPEFLVGCDCKDGCRDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC079537

ORF Size: 2265 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: BC079537, AAH79537

RefSeq Size: 5687 bp

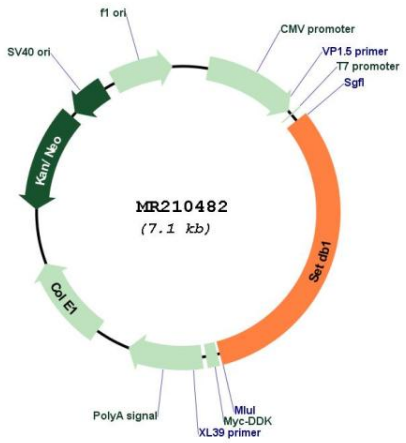
RefSeq ORF: 2267 bp

Locus ID: 84505

Cytogenetics: 3 F2.1

MW: 84.4 kDa

Product images:



Circular map for MR210482