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Product datasheet for RR209482

Setd4 (NM_001113747) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Setd4 (NM_001113747) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Setd4
Synonyms:	Rda279
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR209482 representing NM_001113747
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGAGACGGAGAGGAAGAACAGAGAGGGTGAGGAGGCGACGTCGAAGCTCTGGCTCAAGAGGAGTGA
ATGAGAGCTGCAGATCTGAATTTATAGAGCTAAGAAAATGGCTGAAAGAGAGGAAGTTTGAAGATACAGG
CTTATTAGTACCTGCCTGCTTTCCAGGAACAGGAAGAGGGCTGATGAGCAAAGCGTCGCTGCAGGAGGGC
CAGGTGATTATCTCACTGCCTGAGAGCTGTCTGCTCACCACGGACACTGTGATCCGAAGCTCCGTAGGGC
CCTACATTAAGAAGTGGAAGCCTCCGGTGTCTCCTCTGCTGGCTTTGTGTACCTTTTTGGTCTCAGAAAG
ACATGCAGGCAGTCATTCCCTCTGGAAGTCTTACCTGGACATTTTACCCAAGTCATATACCTGCCCGGTG
TGCTTGGAGCCAGAAGTGGTGGATCTTCTTCCGGGACCTTTGAGGGCGAAGGCGGAAGAGCAGAGAGCCC
GCGTGCAGGATTTGTTTGCCTCCTCTAGAGACTTCTTCTCTACCCTGCAGCCTCTGTTTGCAGAGTCTGT
GGACAGCATTTTCAGCTACCATGCCTTCCTCTGGGCCTGGTGCACAGTGAACACCAGAGCTGTGTACCTG
AAGTCTAGGAGGCAGGAGTGCCTTTCCTCAGAGCCGGACACGTGTGCCCTTGCTCCGTTCCTGGATCTGC
TGAATCACAGCCCACATGTCCAGGTGAAAGCAGCATTCAACGAGAAGACCAGGTGCTATGAGATTAGAAC
AGCCTCTCGCTGTAGGAAGCACCAGGAGGCGTTCATCTGCTACGGTCCCCATGACAACCAGCGGCTGCTC
CTGGAGTATGGCTTTGTTGCCTTTGGCAATCCTCACGCATGTGTTCCTGTCTCAGGAGAGATGCTGCTCA
AGTACCTCCCGCCAGCCGATAAGCAGGTGCACAAGAAGCTGTCCATCTTGGAGGATCATGGCTTCACAGG
AAATTTGACGTTTGGATGGGATGGACCATCTTGGAGGTTGCTCACAGCTCTCAAGTTGTTGTGTCTGGAA
GCCGAGCGGTTTACGTCCTGGAAGAAGGTGCTCATTGGTGACGTAATCTCCGATAGGAATGAGAAGGCAA
GCTTGGGCGTGGCCCAGAAAATATGCTCTGATTTCATTGCGGAGATTCACTCCGAGCTGCGCAAGGTTTC
TGACATGAAGGAAAGGAAAGGATCGCTGATAAGTCAGCTCTGTTTGGTGGAAGCTTTGCGGATGGAAGAG
CTGCGGATTCTTCAGGCTTCTGCTGAGATCCTGAGTAGTTCGCTGGCCCCCTTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

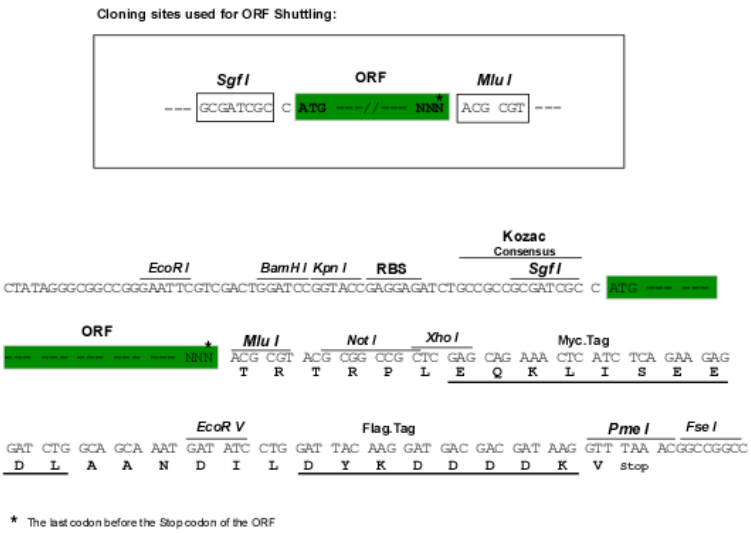
>RR209482 representing NM_001113747
Red=Cloning site Green=Tags(s)

MQRRRGRTERVRRRRRSSGSRGVNESCRSEFIELRKWLKERKFEDTGLLVPACFPGTGRGLMSKASLQEG
QVIISLPESCLLTTDTVIRSSVGPYIKKWKPPVSPLLALCTFLVSERHAGSHSLWKSYLDILPKSYTCPV
CLEPEVVDLLPGPLRAKAEEQRARVQDLFASSRDFFSTLQPLFAESVDSIFSYHAFLWAWCTVNTRAVYL
KSRRQECLSSEPDTCALAPFLDLLNHSPHVQVKAAFNEKTRCYEIRTASRCRKHQEAFICYGPHDNQRLL
LEYGFVAFGNPHACVPVSGEMLLKYLPPADKQVHKKLSILEDHGFTGNLTFGWDGPSWRLLTALKLLCLE
AERFTSWKKVLIGDVISDRNEKASLGVAQKICSDFIAEIHSELRKVSDMKERKGSLISQLCLVEALRMEE
LRILQASAEILSSSLAPLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001113747

ORF Size: 1317 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_001113747.1, NP_001107219.1

RefSeq Size: 1725 bp

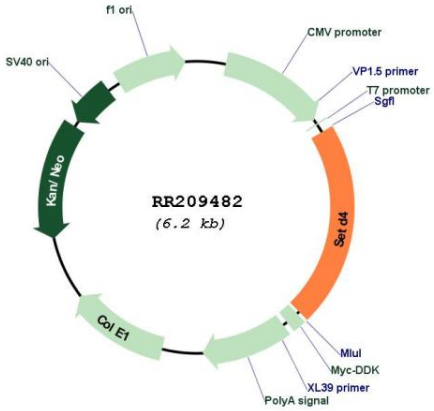
RefSeq ORF: 1320 bp

Locus ID: 245975

Cytogenetics: 11q11

MW: 49.7 kDa

Product images:



Circular map for RR209482