

Product datasheet for **RR213978**

Des (NM_022531) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Des (NM_022531) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Des
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR213978 representing NM_022531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCAGGCCTACTCGTCCAGCCAGCGCGTGTCTCCTACCGCCGACCTTCGGCGGCGCCCGGGCT
 TCTCGCTCGGTTCCCGCTGAGCTCTCCGGTGTCCACGAGCAGGCTTCGGTACCAAGGGCTCCTCGAG
 CTCACTGACATCCCGCGTGTACCAGGTGTGCGCACGTCGGGCGGGGCCGGAGGCTTGGGGTCGCTGCGG
 GCTAGCCGGCTGGGGACCACCCGAGCACCATCCTATGGCGCGGGCGAGCTGCTGGACTTCTCGTGGCCG
 ACGCAGTGAACCAGGAGTTCCTGGCCACGCGCACCAACGAGAAGGTGGAGCTGCAAGAGCTCAATGACCG
 CTTCCGCAACTACTTCGAGAAGGTGCGCTTTTGGAAACAGCAGAACGCCGCGCTCGCCGCCGAGGTCAAC
 CGGCTCAAGGGCCGAGAGCCGACTCGGGTCCGCGAGCTCTACGAGGAGGAGATGCGAGAGCTGCGGCGCC
 AAGTGGAGGTCTCACCACAGCGCGCCCGCGTCCGAGTGGAGCGTGACAACCTGATAGACGACCTGCA
 GAGGCTCAAGGCCAAGCTACAGGAGGAAATCCAACCTGAGAGAAGAAGCAGAGAACAACCTTGCTGCCTTC
 CGAGCGGATGTGGATGCAGCCACTCTGGCTCGAATTGACCTAGAGCGCAGAATTGAGTCACTCAACGAGG
 AGATTGCATTCTTAAGAAAGTGACGAAGAGGAGATCCGTGAGCTCCAGGCCAGCTTCAGGAACAGCA
 GGTCCAGGTAGAGATGGACATGTCCAAGCCAGACCTCACAGCCGCCCTCAGGGACATCCGTGCTCAGTAT
 GAGACCATTGCGGCTAAGAACAATCTCTGAGGCTGAAGAATGGTACAAGTCCAAGGTTTCAGACTTGACTC
 AGGCAGCCAATAAGAACAACGATGCGCTGCGCCAAGCCAAGCAGGAGATGATGGAATACCGACACCAGAT
 CCAGTCTACACCTGCGAGATTGATGCTCTCAAGGGCACCACGACTCCTTGATGAGGCAGATGAGGGAG
 CTGGAGGATCGTTCGCCAGCGAGGCCAGTGGCTATCAGGACAACATCGCGCGCTGGAGGAGGAGATCC
 GACACCTAAAGGATGAGATGGCCCGCCATCTGCGGGAGTACCAGGATCTGCTCAATGTGAAGATGGCCTT
 GGATGTGGAGATTGCCACCTACCGGAAGCTGCTGGAGGGCGAGGAGAGCAGGATCAACCTCCGATCCAG
 ACCTTCTGCTCTCAACTTCCGAGAAACCAGCCCTGAGCAAAGGGGTTCCGAAGTCCACACCAAAAAGA
 CAGTGATGATCAAGACCATTGAGACCCGGGATGGAGAGGTGTCAGCGAGGCCACACAGCAACAACATGA
 AGTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213978 representing NM_022531
 Red=Cloning site Green=Tags(s)

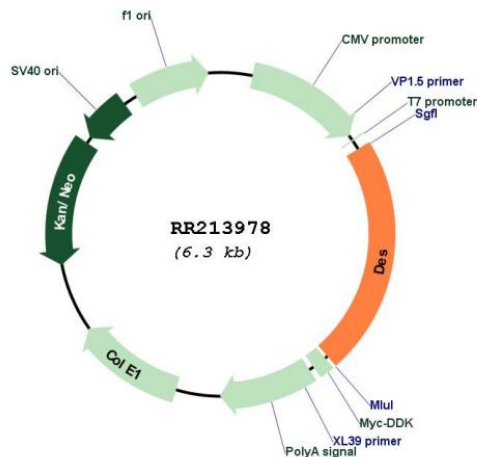
MSQAYSSSRVSSYRRTFGGAPGFLSPLSSPVFPRAGFGTKGSSSVTSRVYQVSRVSSGGAGGLGSLR
 ASRLGTTTRAPSYGAGELLDFSLADAVNQEFLLATRTNEKVELQELNDRFANYFEKVRFLQQNAALAAEVN
 RLKGREPTRVAELYEEEMRELRRQVEVL TNQRARVDVERDNLIDDLQRLKAKLQEEIQLREEAENLAAF
 RADVDAATLARIDLERRIESLNEEIAFLKKVHEEEIRELQAQLQEQQVQVEMDMSKPDLTAAALRDIRAQY
 ETIAAKNISEAEWYKSKVSDLTQAANKNDALRQAKQEMMEYRHQIQSYTCEIDALKGTNDSLMRQMR
 LEDRFASEASGYQDNIAARLEEEIRHLKDEMARHLREYQDLLNVKMALDVEIATYRKLLEGEESRINLPIQ
 TFSALNFRETSPEQRGSEVHTKKTVMIKTIETRDGEVVSEATQQQHEVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Plasmid Map:


ACCN: NM_022531

ORF Size: 1407 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_022531.1](#), [NP_071976.1](#)

RefSeq Size: 2169 bp

RefSeq ORF: 1410 bp

Locus ID: 64362

UniProt ID: [P48675](#)

Cytogenetics: 9q33

MW: 53.5 kDa

Gene Summary: class II intermediate filament protein, localized to muscle cells, may be a differentiation marker for muscle cells [RGD, Feb 2006]