

Product datasheet for **RN213978**

Des (NM_022531) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN213978 representing NM_022531
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCAGGCCTACTCGTCCAGCCAGCGCGTGTCTCTACCGCCGACCTTCGGCGGCGCCCGGGCT
 TCTCGCTCGGTTCCCGCTGAGCTCTCCGGTGTCCACGAGCAGGCTTCGGTACCAAGGGCTCCTCGAG
 CTCACTGACATCCCGCGTGTACCAGGTGTCGCGCACGTGCGGCGGGGCGGAGGCTTGGGGTCGCTGCGG
 GCTAGCCGGCTGGGGACCAACCCGAGCACCATCCTATGGCGCGGGCGAGCTGCTGGACTTCTCGTGGCCG
 ACGCAGTGAACCAGGAGTTCCTGGCCACGCGCACCAACGAGAAGGTGGAGCTGCAAGAGCTCAATGACCG
 CTTCCGCAACTACTTCGAGAAGGTGCGCTTTTGGAAACAGCAGAACGCCGCGCTCGCCGCCGAGGTCAAC
 CGGCTCAAGGGCCGAGAGCCGACTCGGGTCCGCGAGCTCTACGAGGAGGAGATGCGAGAGCTGCGGCGCC
 AAGTGGAGGTCTCACCACAGCGCGCCCGCTCGACGTGGAGCGTGACAACCTGATAGACGACCTGCA
 GAGGCTCAAGGCCAAGCTACAGGAGGAAATCCAACCTGAGAGAAGAAGCAGAGAACAACCTGGCTGCCTTC
 CGAGCGGATGTGGATGCAGCCACTCTGGCTCGAATTGACCTAGAGCGCAGAATTGAGTCACTCAACGAGG
 AGATTGCATTCTTAAGAAAGTGACGAAGAGGAGATCCGTGAGCTCCAGGCCAGCTTCAGGAACAGCA
 GGTCCAGGTAGAGATGGACATGTCCAAGCCAGACCTCACAGCCGCCCTCAGGGACATCCGTGCTCAGTAT
 GAGACCATTGCGGCTAAGAACAATCTCTGAGGCTGAAGAATGGTACAAGTCCAAGGTTTCAGACTTGACTC
 AGGCAGCCAATAAGAACAACGATGCGCTGCGCCAAGCCAAGCAGGAGATGATGGAATACCGACACCAGAT
 CCAGTCTACACCTGCGAGATTGATGCTCTCAAGGGCACCACGACTCCTTGATGAGGCAGATGAGGGAG
 CTGGAGGATCGCTTCGCCAGCGAGGCCAGTGGCTATCAGGACAACATCGCGCGCCTGGAGGAGGAGATCC
 GACACCTAAAGGATGAGATGGCCCGCCATCTGCGGGAGTACCAGGATCTGCTCAATGTGAAGATGGCCTT
 GGATGTGGAGATTGCCACCTACCGGAAGCTGCTGGAGGGCGAGGAGAGCAGGATCAACCTCCGATCCAG
 ACCTTCTGCTCTCAACTTCCGAGAAACCAGCCCTGAGCAAAGGGGTTCCGAAGTCCACACCAAAAAGA
 CAGTGATGATCAAGACCATTGAGACCCGGGATGGAGAGGTGCTACGCGAGGCCACACAGCAACAACATGA
 AGTGCTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022531
- Insert Size:** 1410 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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

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