

Product datasheet for **MC203531**

Desi1 (NM_134095) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Desi1 (NM_134095) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Desi1
Synonyms:	AI427858; AI850401; D15Wsu75e; DeSI-1; Fam152b; Pppde2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC056972
 GTTGCCGGTCCGCGGTGTCCGGGCGGAGCAGCGCAGGGCCGCTCTCCCCGCCCTCAGGCCGGGCCCC
 GGCTCGGTCCCCCGCTCCCTCTTCTCCCCACCCCGGTCCGGTACCGGAAGGTCCAAGCCGCTGCCGGGTG
 CCCGAGGGCCATCGTGGCCGCCGCCACGGGTCTGATGGAGCCGCCAAATCTCTATCCGGTGAAGCTCTA
 CGTGTACGACCTGTCAAAGGGCCTGGCCCGCCGGCTCAGCCCCATCATGCTGGGAAACAACCTGGAAGGC
 ATCTGGCACACCTCTATAGTTGTACACAAGGATGAGTTCTTCTCGCAGCAGCGGTATTTCCAGCTGTA
 CCCCAGGAGGGACATTGCTTGGGCCCCACAGACTGTGGTTGATGTGGAAACACAGAAGTCACAGAAGA
 AATCTTTCTGGAATACCTGTCTCCCTGGGGAGTCTCTGTTCCGAGGAGAAGCCTACAACCTCTTTGAA
 CACAACCTGTAACACCTTTAGCAATGAAGTGGCGAGTTCTGACTGGGCGAAAGATCCCTTCTTACATCA
 CCGACCTGCCCTCAGAAGTTCTTCCACGCCCTTTGGACAAGCACTTCGGCCCTTCTGGACTCCATTCA
 GATCCAGCTCCAGGAGGAACTCTGTGGCAGACCCAATGGCCAAAGCTAACAGGACTGCACGGGACCA
 CCCACCTGCCAGGGCTTTTCTTTTTAAACAAAACAAACCCTACCAGATTTCTATTTTATAATTTTACA
 TCAGAGCTAACAGGGACGGCTTTTTAAATTTCCAGGAAAGGAGTTCTTCCAGGCTGCATGTAGGACAATG
 CTCCTGAGAAAGATCGAATGCCATCCCTTCTAATAGTATTATACTAATTTATTAAGGCTGCTTGTCTGT
 GAGTTCACTTTTGACGCTTTGCTAAGCGTCCCTCACACTGGAGAGAGAGGGTGTGTTTAAAGAGAA
 AGCAAGAGTCACAGTCTGGGAGAACCCATCTCGGACCCTCTTTCCAGAGAACACCCACATTCCACCCAG
 GTTGCCACCCTGTGGGACCCAGGTGAGTTTTACTGTCCATTCCCTGGAGCAGTCACCTTCTAGCAGT
 AACTGAAGCAAAGGACTTGGAGTACATGGGGCAGCTGGAGGCTCCTCACTCAAGCTAAGTGACCTTTTA
 ACCACAAGTTTACCCTCCTCCCGAGACAAGGCCACTCATCACAGCCAGCCGGAGCAGCCGAGCGTCAG
 GATCAAAGGAGACTGGCAGCAGGTGTGAGGCCAGAGAAAACAGGAGAAAGCCATTCTCCTCCTCCTCT
 ATCTGAGTGCCAAACCCTCGATGCCACCCCTAAGCTGCTTCTCCTCAGCGTAGCTTGACCTGTACCTTT
 AATAAAGGTCTAGGCTGCAGCAGCAGAGACACAGGCCCTTGTCTGAGAATTAGTTATTTATAGCAATA
 GAGCCAGCCACTCACACCCTTATGGGTTTGTGCTAGGACTAGGGGGACATGATTTCTCCAAAAC
 AAGTCTCTGATGTAGAAAATACCATAATGATGTAGATTGATGGTGGGAAGAAAATTTGGAGTTGTCTCCA
 GTAGGGACTTTACATTATCCTTAATACGTCTCCATTGTCATTCTGACCTTATGGGGTGTGGTTGGGGTG
 TGAGTGGGCGTTTTCTTAATGATATGCTGCTAGGATTTTATGGGAGCAATAGCCTAGAAGTCTATGATC
 TAGACTCCAGATTCCAGAGGGACCTTAAGGTTCCCTTCTGTGGTGTGAGTCTTCTACTAGCTAATATGGG
 AAAGTGGATATGGAGAAGGGAGCTCAGAGCAGGCACCTGAGACTCAGCTCCACCCATGGGAGCCCCC
 CACCGTGGCTTCTGCCACTTCTGAAACTTGAGCCACTTGTTCCTTTTGGGGTAGGCTTTCTCCTCTG
 AAAAGCCCCTATTGGCTCCCTTGCCCTACCCTGCAGGCTTTGCCACTAGCCATAGCAGTGGCATCATGG
 AGATCTCTGCCTCAGAGCTGACCTGTTGTCTGACCAGAGAGAGCTATGTCCACCTAGGGTGTGAGTGGT
 GTTTGGGAACCTGAAGGTCACAGTCAGAAAGGTCAGGACTCAACAGTGTACAGGTGTATGTGGCTGTC
 ACAACGTAGAGTGAAACCAACAGAGACTGTTTAGTGTGGTCTCTTTGGCAGAATAGGGCTTAGAAGGT
 TCAGTGTTTAAAGCTTGGTATCTGGGAAGGCAGAGGTTGCTGGAAGCCATCACTTTTTCTTTGCCTGGC
 CCCAGCTGGTAGCATCTCTGCCAGAGCTCTGTCTTAGGGTGTCTCACATGGCCATTCTCTGTTTTTC
 TCCTCAGCAGTAACCATGGTATTCTGAGACATTTGCCAGGATTTTAGTCACTTAATTGCTTGAATTAT
 CTCCTGTATGTCTAGCAGCCATCCATGCCAACGTCTGTGGCCATGGCTAGCAGAGAGATGGGAAGACTG
 GACAGTCTCTCTGGTCTCCTTTCCCTATGCAAGTCCGTTGTACCAGAATCCCAGGCCAGGAACCCAC
 ATCCCACCTTTACATTTCTGTCCCAGTACCTCAGGAGCATACTGTTTATGAGCAGGTGACTCCCCCTG
 GGCATGTACAAGCAAGCTGAGAGGAAAAGGAGTCACGTGGTTTATGCCACATAGTGGACAGCCCTGTCCA
 TTGGTCAGTTGGTCAAGGACAAGGGAGGTGGAGGCATGAGACCTTGTCCGCTCTAGACTGAAGGGTT
 TCTTTGAGATTCCTTATGACTTCTTGAAGTCAAATAATGTCTAATACGGAGGTGTTTGTGCTTTTC
 ATGGTGTTTTTTCTAATGCAATAAACTCATGTCTGCCTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAA

Restriction Sites: AscI-NotI
 ACCN: NM_134095
 Insert Size: 507 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:	<ol style="list-style-type: none">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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC056972</u> , <u>AAH56972</u>
RefSeq Size:	2945 bp
RefSeq ORF:	507 bp
Locus ID:	28075
UniProt ID:	<u>Q9CQT7</u>
Cytogenetics:	15 38.34 cM
Gene Summary:	Protease which deconjugates SUMO1, SUMO2 and SUMO3 from some substrate proteins (PubMed:22370726, PubMed:22498933). Has isopeptidase but not SUMO-processing activity (PubMed:22370726, PubMed:22498933). Desumoylates ZBTB46 (PubMed:22370726). Collaborates with UBQLN4 in the export of ubiquitinated proteins from the nucleus to the cytoplasm (By similarity).[UniProtKB/Swiss-Prot Function]