

Product datasheet for **RN204249**

Desi1 (NM_001025703) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Desi1 (NM_001025703) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Desi1
Synonyms:	DeSI-1; Fam152b; Pppde2; RGD1305776
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204249 representing NM_001025703 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCGCCGAATCTCTATCCGGTGAAGCTCTACGTGTACGACCTGTCCAAGGGCCTGGCCCGCCGGC
TCAGCCCCATCATGCTGGGAAACAACCTGGAAGGAATCTGGCATACTCTATAGTTGTACACAAGGATGA
GTTCTTCTTCGGCAGCAGCGGTATTTCCAGCTGTACCCCGGGAGGGACATTGCTTGGCCCCAGACTCT
GTGGTTGATGTGGGAATACAGAAGTACAGAAGAAATCTTTCTGGAATACCTGTCCTCCCTGGGGAGT
CTCTGTTCCGAGGAGAAGCCTACAACCTCTTTGAACACAACCTGTAACACCTTTAGCAATGAAGTGGCACA
GTTCTGACTGGGCGGAAGATCCCTTTACATCACCGACCTGCCCTCAGAAGTTCTCTCCAGCCCTTT
GGACAAGCACTTCGGCCCTTCTTGACTCCATTAGATCCAGCCTCCAGGAGGAACTCTGTAGGCAGAC
CCAATGGCCAAAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001025703
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).



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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.
RefSeq:	<u>NM_001025703.1, NP_001020874.1</u>
RefSeq Size:	1451 bp
RefSeq ORF:	507 bp
Locus ID:	315160
UniProt ID:	<u>Q4KM30</u>
Cytogenetics:	7q34
Gene Summary:	Protease which deconjugates SUMO1, SUMO2 and SUMO3 from some substrate proteins. Has isopeptidase but not SUMO-processing activity. Desumoylates ZBTB46 (By similarity). Collaborates with UBQLN4 in the export of ubiquitinated proteins from the nucleus to the cytoplasm (By similarity).[UniProtKB/Swiss-Prot Function]