

Product datasheet for **RN211338**

Degs1 (NM_053323) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Degs1 (NM_053323) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Degs1
Synonyms:	Degs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211338 representing NM_053323 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGGAACCGCGTGTCCCGAGAGGAGTTCGAATGGGTCTACACGGACCAGCCCCACGCCGCCGCGGCC
AGGAGATCTTAGCGAAGTATCCAGAGATAAAATCCTTGATGAAGCCGACCCTAACCTGATCTGGATTGT
AACCTCAATGCTTCTCGTCCAGTTGGCTTCGTTTTACTTAGTCAAAGACTTGGACTGGAAGTGGCTCATG
TTTTGGTCTATGCCTTTGGCAGCTGCCTTAACCATTCATGACTCTGGCTATCCATGAGATTTCCACA
ACTTCCCCTTTGGCCACCACAAGGCCATGTGGAACCGCTGGTTTGAATGTTTCGGAACCTCTCTCTCGG
GGTTCATATTCGATTTCTTTAAGAGGTACCACATGGATCATACCCGTACCTCGGGGCGGACGGCATC
GATGTGGATATCCCTACTGATTTTCGAGGGCTGGTCTTCTGCACCACTCTCAGGAAGCTTGTCTGGTTA
TCCTTCAGCCTCTCTTCTATGCGTTTAGACCCCTGTTTCATCAACCCCAAGCCAATTACCCATCTGGAAGT
CATCAACACTGTGATCCAGGTCACCTTTGACGTCCTCGTCTACTATGTTTTGGAGTGAAGTCTCTAGTG
TACATGTTGGCAGCCTCCCTGCTCGGCTGGGCTTGACCCCAATTCGGGGCATTTCATAGCCGAACATT
ACATGTTCCCTAAAGGGACACGAAACATACTCCTACTATGGGCCTCTGAATTACTCACCTCAATGTGGG
CTATCACAACGAACACCAGACTTCCCCAATGTTCTGGGAAAAACCTGCCCTGGTGAGAAAAATCGCA
AGTGAGTACTATGATAACCTCCCACTACAACCTCGGATCCGAGTGTGTATGACTTTGTGATGGACG
ACACAATAAGTCCCTACTCACGGATGAAGAGGCCCCCGAAAGGAATGAGATTCAGGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_053323



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Insert Size:	972 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:	<u>NM_053323.2</u> , <u>NP_445775.2</u>
RefSeq Size:	1466 bp
RefSeq ORF:	972 bp
Locus ID:	58970
UniProt ID:	<u>Q5XIF5</u>
Cytogenetics:	13q26
Gene Summary:	human homolog is a member of a sphingolipid delta 4-desaturase enzyme family [RGD, Feb 2006]