

Product datasheet for **RR211338**

Degs1 (NM_053323) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Degs1 (NM_053323) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Degs1
Synonyms: Degs
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211338 representing NM_053323
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGAACCGCGTGTCCCGAGAGGAGTTCGAATGGGTCTACACGGACCAGCCCCACGCCCGCCGGCGCC
AGGAGATCTTAGCGAAGTATCCAGAGATAAAATCCTTGATGAAGCCCGACCCTAACCTGATCTGGATTGT
AACCTCAATGCTTCTCGTCCAGTTGGCTTCGTTTTACTTACTAGTCAAAGACTTGGACTGGAAGTGGCTCATG
TTTTGGTCTATGCCTTTGGCAGCTGCCTAACCATTCATGACTCTGGCTATCCATGAGATTTCCACA
ACTTCCCCTTTGGCCACCACAAGGCCATGTGGAACCGCTGGTTTGAATGTTTCGGAACCTCTCTCGG
GGTTCCATATTCGATTTCTTTAAGAGGTACCACATGGATCATCACCGGTACCTCGGGCGGACGGC
GATGTGGATATCCCTACTGATTTTCGAGGGCTGGTTCTTCTGCACCACTCTCAGGAAGCTTGTCTGGGTTA
TCCTTCAGCCTCTTCTATGCGTTTAGACCCCTGTTCAACCCCAAGCCAATTACCCATCTGGAAGT
CATCAACACTGTGATCCAGGTCACCTTTGACGTCCTCGTCTACTATGTTTTGGAGTGAAGTCTCTAGTG
TACATGTTGGCAGCCTCCCTGCTCGCCCTGGGCTTGCACCAATTCGGGGCATTTCATAGCCGAACATT
ACATGTTCCCTAAAGGGACACGAAACATACTCTACTATGGGCTCTGAACCTACTCACCTCAATGTGGG
CTATCACAAACGAACACCAGACTTCCCAATGTTCTGGGAAAAACCTGCCCTGGTGAGAAAAATCGCA
AGTGAGTACTATGATAACCTCCACACTACAACCTCCTGGATCCGAGTGCTGTATGACTTTGTGATGGACG
ACACAATAAGTCCCTACTCACGGATGAAGAGGCCCCCGAAAGGAATGAGATTCAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211338 representing NM_053323
 Red=Cloning site Green=Tags(s)

MGNRVSREEFEWVYTDQPHAARRQEILAKYPEIKSLMKPDPNLIWIVTSMMLLVQLASFYL VKDLDWKWL
 FWSYAFGSCLNHSMTLAIHEISHNFPFGHHKAMWNRWFGMFANLSLGVPSISFKRYHMDHHRYL
 GADGIDVDIPTDFEGWFFCTTLRKLWVILQPLFYAFRPLFINPKPITHLEVINTVIQVTFDVLV
 VYVYVFGVKSLLVYMLAASLLGLGLHPI SGHFIAEHYMF LKGHETYSYGPLNLLTFNVGYHNEH
 HDFPNVPGKNLPLVRKIAS EYYDNLPHYNSWIRVLYDFVMDDTISPYSRMKRPPK
 GNEIQE

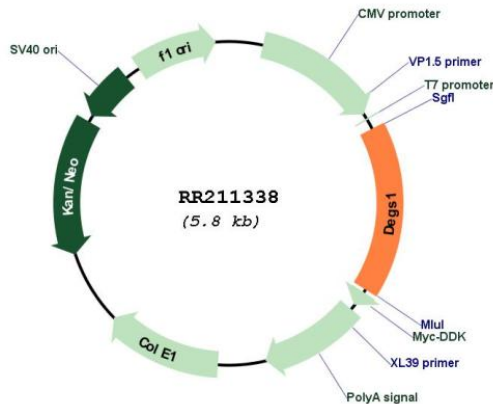
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053323

ORF Size: 969 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:	<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:	NM_053323.2 , NP_445775.2
RefSeq Size:	1466 bp
RefSeq ORF:	972 bp
Locus ID:	58970
UniProt ID:	Q5XIF5
Cytogenetics:	13q26
MW:	38.1 kDa
Gene Summary:	human homolog is a member of a sphingolipid delta 4-desaturase enzyme family [RGD, Feb 2006]