

Product datasheet for **RR211890**

Alg9 (NM_001109000) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg9 (NM_001109000) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alg9
Synonyms:	Dibd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR211890 representing NM_001109000
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGAGCCGAAGGGCCCGCAGCGCCTCAAGGGCGCGGTGGCGCGCGCGCGCAGTGGCGCGGTA
 GCGGCAGCGCGGGACGCGGGCCAGCCGCGGAGAAGCTACGGGAGTTACTGGCAGCCGAGAGGCAGG
 CGTGGAGCCGCGCCAGAGTCTGAAATAAAGCAGGGCAAGTCTGGGCCCGAAGGATCCACTGCTTTC
 AAGTGTCTGCTCTGCAAGTTGTGCGCTGCCCTTCTGAGCAACATCTCAGACTGTGATGAAACATTCA
 ACTACTGGGAACCAACACTACCTCATCTACGGGAAGGGTTTCAGACGTGGGAATATCCCCCGTGA
 TGCCATCCGCTCCTACGCTTACCTGTTGCTGCATGCCTGGCCAGCTGCATTTTCATGCACGGATTCTGCA
 ACTAACAAGATTCTGTATTCTACTTTTTGAGATGTCTCCTGGCTTTGTGAGCTGTGTTGTGAACCTT
 ACTTTTATAAGGCTGTGCAAGAAGTTGGGCTGCATGTGAGCCGGATGATGCTGGCCTCCTGGTGTCT
 CAGCACAGGCATGTTCTGCTCATCGTCTGCATTCTCCTAGCAGCTTCTGCATGTACACCAGTTGGTT
 GCTATGACAGGATGGTATATGGACAAGACCCATTGCTGTGCTGGGAGTAGCAGCTGGAGCAATCCTCG
 GCTGGCCGTTCACTGCAGCTCTCGGTTTACCCATCGCCTTTGACTTGTGGCCATGAAGCACAGGTGGAA
 GAGTTTCTTCTGCTCCCTGGCGGCCCTGGTTCTTCTTCTGGTGCCCGTGGTGGTCAATTGACAGTTAT
 TATTATGGGAAGTTGGTATTGCCCTCTCAACATTGTTTTGTACAATGTCTTTACTTCTCATGGACCTG
 ATCTTTATGGTACAGAACCATGGTATTTCTATTTAATCAATGGATTTCTGAATTTCAATGTTGCCTTTC
 TTTGGCTCTTCTGGTCTTGCCACTGACTTTTCTTATGGAGTACCTGCTGCAGAGATTCCATGTTCCAGAA
 TTAGGACACCCATATTGGCTGACCTTGGCGCCGATGTACATTTGGTTTATGATTTTCTTCATCCAGCCTC
 ACAAGAGGAGCGGTTTCTTTCCCGTCTATCCACTTATATGTCTCTGTGGCGCTGTTGCCCTCTCTGC
 ACTGCAGGTGGATATCATGGGCCCTTGATTTATATCCAGAATTTACAGAATTGCCACAGACCAACCA
 TCCACTGTCCAGAAGGCAGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211890 representing NM_001109000
 Red=Cloning site Green=Tags(s)

MASRRARQRLKGGGGGGGSGGGSGSGGDAGPAAEKRELLGSREAGVEPRPESGNKAGQVWAPEGSTAF
 KCLLSARLCAALLSNISDCDEFNYWEPHYLIYKGFQWEYSPVYAIRSYAYLLLHAWPAAFHARILQ
 TNKILVFYFLRCLLAFVSCVCELYFYKAVCKKFLHVSRRMLAFLVSTGMFCSSAFLPSSFCMYTTLV
 AMTGWYMDKTPIAVLGVAAGAILGWPFSAALGLPIAFDILLAMKHRWKSFFLWSLALVFLVPPVVVDSY
 YYGKLVIAPLNIVLYNVFTSHGPDLYGTEPWYFYLINGFLNFVAFALALLVPLTFLMEYLLQRFHVQN
 LGHPYWLTLAPMYIWFMIFFIQPHKEERFLFPVYPLICLGAVALSALQVDIMGPLIYIQNFTLPTQTP
 STLSQKAGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001109000

ORF Size: 1287 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:

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_001109000.1](#), [NP_001102470.1](#)

RefSeq Size: 2597 bp

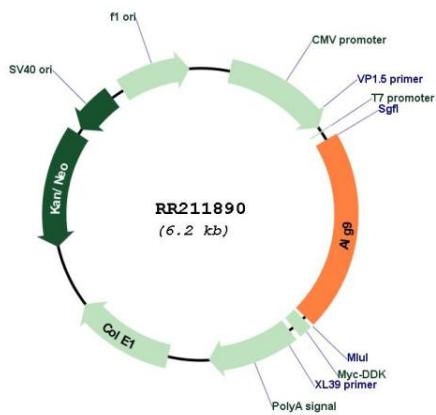
RefSeq ORF: 1290 bp

Locus ID: 367083

Cytogenetics: 8q23

MW: 47.7 kDa

Product images:



Circular map for RR211890