

Product datasheet for RN204299

Gata4 (NM_144730) Rat Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Gata4 (NM_144730) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Gata4 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >RN204299 representing NM_144730 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACCAAAGCCTGGCTATGGCCGCCAACACGGGCCCCCGCGGGCGCCTACGAAGCGGGTGGACCTG
GCGCCTTCATGCACAGTGCAGGCGCCGCGTCTCGCCCGTCTACGTGCCACTCCGCGGGTGCCGTCCTC
TGTGCTGGGCTGTCTACCTGCAGGGCGGAGGAGTGGTGTCTTCTGGAGCCACTCGGGTGGCAGC
TCCGGGGCCGGCCCGTGGGTGCTGGGCTGGGACCCAGCAGGGTAGCCCGGGCTGGAGCCAGGCTGAG
CTGAGGGAGCCGCTTACACCCACCGCCTGTGTCCCGCGCTTCTCCTCCCGGGGACTGGGTCCCT
GGCGGCCCGCCGCGCGCTGCCGAGCCCGGAAGCTGCAGCCTACAGCAGTAGCGCGGGGCAGCCGGC
GCTGGCCTGGCTGGCCGAGAGCAGTACGGGCGTCCGGGCTTCGAGGCTCCTACTCCAGCCCTACCCAG
CCTACATGGCCGATGTGGGCGCATCCTGGGCGCAGCCGCTGCCGCTCCGCCGGCCCTTCGACAGCCC
AGTCTGCACAGCCTACCTGGCCGGCCAAACCCTGCGAGACACCCCAATCTCGATATGTTTGATGACTTC
TCAGAAGGCAGAGAGTGTGCAACTGCGGGGCCATGTCCACCCACTCTGGAGGCGAGATGGGACAGGAC
ACTACCTATGCAACGCCTGTGGCCTTACCACAAGATGAATGGTATCAACCGGCCCTCATCAAGCCTCA
GCGCCGGCTGTGCCTCCCGCCGGTAGGCCTCTCCTGTGCCAACTGCCAGACTACCACCACCACTG
TGGCGCCGTAACGCTGAGGGCGAGCCTGTTTGCAATGCCTGCGGCTCTACATGAAGCTCCATGGGGTTC
CCAGGCCTCTTGCAATGCGGAAGGAGGGGATTCAAACCAGAAAACGGAAGCCCAAGAATCTGAATAAATC
TAAGACACCAGCAGGTCCTCCTGGCGAGAGCCTCCCTCCCTCCAGTGGTGCCTCCAGCAACTCCAGCAAC
GCCACCAGCAGCAGCAGCAGTGAAGAGATGCGCCCATCAAGACAGAGCCCGGGCTGTCTACTCACT
ATGGGCACAGCAGCTCCATGTCCAGACATTAGTACTGTGTCCGGCCATGGGTCTCCATCCATCCAGT
GCTGTCCGCTCTGAAGCTCTCCCAAGGCTATCCATCTCCTGTCACTCAGACATCACAGGCCAGCTCC
AAGCAGGACTCTGGAACAGCCTGGTCTGGCTGACAGTCATGGGGACATAATCACCCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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| Chromatograms: | https://cdn.origene.com/chromatograms/ja1279_g01.zip |
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_144730 |
| Insert Size: | 1323 bp |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| 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_144730.1 , NP_653331.1 |
| RefSeq Size: | 3313 bp |
| RefSeq ORF: | 1323 bp |
| Locus ID: | 54254 |
| UniProt ID: | P46152 |
| Cytogenetics: | 15p12 |
| Gene Summary: | plays a role in regulation of cardiac-myocyte specific gene expression; interacts with dHAND (HAND2) to activate transcription of several cardiac-specific genes [RGD, Feb 2006] |