

Product datasheet for **MR226728**

Gata2 (NM_008090) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gata2 (NM_008090) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gata2
Synonyms:	Gata-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR226728 representing NM_008090
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGGCGCCTGAGCAGCCTCGTGGATGGCGCACCCCGCGTATTGAATGCGCAGCACCCCGACT
 CGACCATCCGGCCTGGCGCATAACTACATGGAGCCAGCACAGCTGCTGCCTCCCGACGAGGTGGATGT
 CTTCTTCAACCATCTCGACTCGCAGGGCAACCCTTACTACGCCAACCCGCCCCACGCGCGCGCGCGTT
 TCCTACAGCCCGGCGCATGCCCGTCTCACCAGGAGCCAGATGTGCCGACCACACTTGTTCACAGCCAG
 GCTTGCCGTGGCTGGACGGGGCAAAGCAGCTCTCTGCGCGCCGCTGCCATCACCACAGTCCCTGGAC
 CGTCAGCCGTTCTCAAGACCCCGCTGCACCCCTCAGCTGTGGAGCACCCGGAGGGCCTCTGTCTGTT
 TACCCAGGGGCTCGGGTGGGAGCGGGGAGGCAGTGGGAGCTCCGTGGCTCCCTACCCCCACTGCAG
 CCCACTCGGGCTCCCATCTCTCGGCTTCCACCCACGCCACCCAAAGAAGTGTCTCAGACCCACGAC
 AACAGGAGCTGTTCCCGGCTCTTCTTCTGCAGGGGTAGTGTAGCCCGGGTGAGGACAAGGATGGC
 GTCAAGTACCAAGTGTCACTCTCCGAGAGCATGAAGATGGAAGCGGCGAGTCCCTGCGCCCGGGCTAG
 CTACCATGGGCACCCAGCCTGCAACACACCACCCGATACCCACCTATCCCTCCTATGTGCCCGCCGAGC
 TCATGACTATGGCAGCAGTCTTCCATCCAGGAGGCTTCTGGGTGGCCCCGCCTCCAGCTTACCCCT
 AAGCAGAGAAGCAAGGCTCGTCTCTGCTCAGAAGCGGGAGTGTGTCAACTGTGGTGCCACAGCCACCC
 CTCTCTGGCGACGAGATGGCACGGGCCACTACCTGTGCAATGCCTGTGGGCTCTACCACAAGATGAATGG
 ACAGAACCAGCCGCTCATCAAGCCCAAGCGGAGGCTGTCTGTGCCAGAAGAGCGGGCACCTGTTGTGCA
 AATTGTGACAGCACAACCACCTTATGGCGCCGAACGCCAACGGGGACCTGTGTGCAACGCCCTGTG
 GCCTCTACTACAAGCTGCACAATGTTAACAGGCCACTGACCATGAAGAAGGAAGGATCCAGACCCGGA
 TCGGAAGATGTCCAGCAATCCAAGAAGCAAGAAAGGGCTGAATGTTTCGAGGAGCTCTCCAAGTGC
 ATGCAAGAGAAGTCAACCCCTTCAAGTGCAGTGGCTGGCTGGACACATGGCACCTGTGGGACACCTCC
 CACCTTTTAGTCACTCTGGACACATCTACCCACGCCACGCCTATCCACCCCTCCTCCAGTCTCTCTTT
 TGGCCACCCACCCGTCAGCATGGTACTGCCATGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226728 representing NM_008090
 Red=Cloning site Green=Tags(s)

MEVAPEQPRWMAHPAVLNAQHPDSHHPGLAHNYMEPAQLLPPDEVDFVFNHLD SQGNPYYPANPAHARARV
 SYSPAHARLTGGQMCRPHLLHSPGLPWL DGGKAAL SAAAAHHHSPWTVSPFSKTPLHPSAAGAPGGPLSV
 YPGAAGSGGGSGSSVASLTPTAAHSGSHLFGFPPTPPKEVSPDPSTTGAASPASSAGGSVARGEDKDG
 VKYQVSLSESMKEGGSPLRPGLATMGTQPATHHPIPTYPSYVPAAAHDYGSSLFHPGGFLGGPASSFTP
 KQRSKARSCSEGRECVNCGATATPLWRRDGTGHYLCNACGLYHKMNGQNRPLIKPKRRLSAARRAGTCCA
 NCQTTTTTLWRRNANGDPVCNACGLYYKLHNVNRP LTMKKEGIQTRNRKMSKSKKSKGAECFEELSKK
 MQEKSPFFSAAALAGHMAPVGHLPFSSHGHILPTPTIHPSSSLSFGHPPSSMVTAMG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1660_c06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_008090

ORF Size: 1440 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_008090.5](#), [NP_032116.4](#)

RefSeq Size: 3258 bp

RefSeq ORF: 1443 bp

Locus ID: 14461

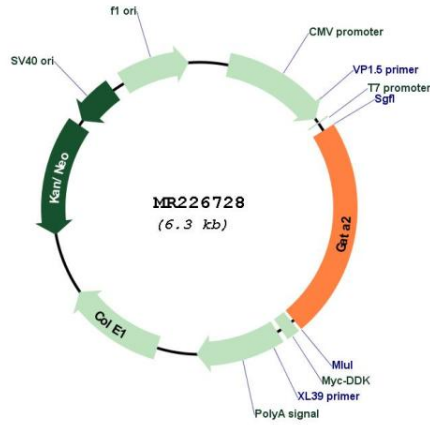
UniProt ID: [O09100](#)

Cytogenetics: 6 39.2 cM

MW: 50.9 kDa

Gene Summary: Transcriptional activator which regulates endothelin-1 gene expression in endothelial cells. Binds to the consensus sequence 5'-AGATAG-3'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226728