

Product datasheet for **RR210398**

Agxt2 (NM_031835) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agxt2 (NM_031835) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agxt2
Synonyms:	AGT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210398 representing NM_031835
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCTAGCCTGGAGAACATTGCAGAAAGCTTTCTACCTGGAGACCTCTCTGAGAATCCTCCAGATGC
 GTCCATCCCTGAGCTGTCTTCTCGGATATATGTACCCAAGCTCACTCTTCATACAAAGCACAAACATGCC
 ACCATGTGACTTCTCACCTGAGAAATACCAAGTCTCTGGCCTACAACCATGTCCTGGAGATTCATAAGCAG
 CACCTTTCTCCTGTGAATACAGCCTATTTCCAGAAGCCTTTGCTGCTCCACCAGGGACACATGGAATGGC
 TCTTTGATTGGGAAGGAAACAGATACCTGGACTTCTTCTCTGGGATTGTAAGTGTGGTGTGGTCACTG
 CCACCCGAAGGTAAGTGTGTGGCAAAAAGCAGATGGACCGCCTGTGGCATAACAAGTCTGTCTTCTTC
 CACTCTCCGATGCATGAATATGCAGAGAGGCTGTGAGCCTCTTCTGAGCCTCTTAAGGTCATTTTCT
 TGGTAAACAGTGGATCAGAAGCCAATGACCTGGCCATGGTATGGCCAGGGCATACTCGAACACACAGA
 CATCATTTCTTTAGAGGAGCCTATCATGGATGTAGTCCCTACACACTTGGTCTGACGAATGTAGGAATT
 TACAAGATGAAAGTCCCCAGTACGATAGCCTGCCAATCGACAATGTGCCAGATGTTTTCCGTGGGCCTT
 GGGGAGGAAGCCACTGTGGGATTCTCCGGTGCAACAGTCAGGAAATGCAGCTGTGCTCCAGATGGCTG
 CCAAGCTAAAGAACGGTACATTGAACAGTTCAAAGACACACTGAACACTTCTGTGGCCACGTCAATTGCT
 GGATTTTTTGCAGAGCCAATTCAAGGTGTGAATGGTGTGTCCAGTACCCAAAGGAGTTTCTGAAGGAAG
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 GGGCTCTCACTTCTGGGTTTCCAAACACATGATACAATGCCTGACATTGTCACCATGGCTAAAGGGATT
 GGAAATGGCTTCCCATGGCAGCAGTTGTGACCACTCCAGAAATGCGAGCTCTTTGGCTAAACACTTAC
 ATCACTTCAGCACATTTGGAGGAAGTCCCCTGGCCTGCGCCATTGGATCTGCTGTGCTTGGAGTATTGA
 AGAAGAAAATCTCCAGAGAAACAGTCAAGAAGTTGGCACCTACATGCTGCTAAAGTTTGCTAAGCTTCGG
 GATGAATTTGACATCGTTGGGGATGTGCGAGGCAAGGCCTTATGGTGGGGATAGAGATGGTTCAAGACA
 AGATAAGCCGCCAGCCTTCTCTAAAACAGAAGTCAATCAAATCCATGAGGACTGCAAAGACATGGGGCT
 CCTAGTGGGTAGAGGTGGTAATTTTTCTCAGACTTTCGCAATTGCGCCCCGATGCGTGTCAAAAGCTG
 GAAGTGGATTTGCATTTGAAGTATTTCTGCTTAACTCAACACATGGAGAGAAGAGCTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210398 representing NM_031835
 Red=Cloning site Green=Tags(s)

MSLAWRTLQKAFYLETSLRILQMRPSSLSCASRIYVPKLTLHTKHNMPPCDF SPEKYQSLAYNHVLEIHKQ
 H LSPVNTAYFQKPLLLHQGHMEWLF DSEGNRYLDFFSGIVTVGVGHCHPKVTAVAKKQMDRLWHTSSVFF
 HSPMHEYAERLSALLPEPLKVIFLVNSGSEANDLAMVMARAYSNHTDII SFRGAYHGCSPYTLGLTNVGI
 YKMKVPSTIACQSTMCPDVFRGPWGGSHCRDSPVQTVRKCSAPDGCQAKERYIEQFKD TLNTSVATSIA
 GFFAEPIQGVN VVQYPKEFLKEAFALVRERGGVCI ADEVQTFGRLGSHFWGFQTHDTPDIVTMAKGI
 GNGFPMAAVTTPEIASSLAKHLHFFSTFGGSPLACAIGSAVLEVIEEENLQRNSQEVGYMLLKF AKLR
 DEFDIVGDVRGKGLMVG IEMVQDKISRQPLPKTEVNQIHEDCKDMGLLVGRGGNFSQTFRIAPPMRVTKL
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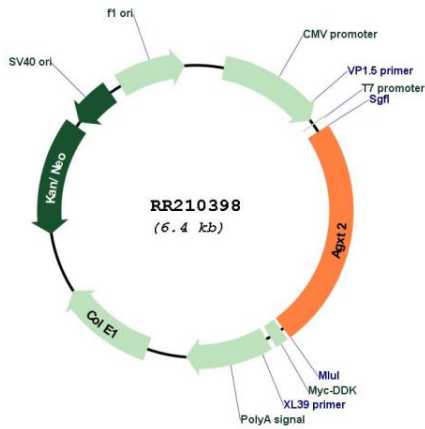
Restriction Sites:

Sgfl-MluI

MW: 57.2 kDa

Gene Summary: Can metabolize asymmetric dimethylarginine (ADMA) via transamination to alpha-keto-delta-(NN-dimethylguanidino) valeric acid (DMGV). ADMA is a potent inhibitor of nitric-oxide (NO) synthase, and this activity provides mechanism through which the kidney regulates blood pressure (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR210398