

Product datasheet for **RR208016**

Got2 (NM_013177) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Got2 (NM_013177) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Got2
 Synonyms: ASPATA; mAAT
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR208016 representing NM_013177
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTCTGCACTCCGGTCGCGTCCTCTCCGGGATGGCTGCTGCCTTTCACCCAGGCCCTGCAGCCG
 CAGCCTCTGCCAGAGCCAGCTCCTGGTGGACCCATGTTGAAATGGGACCTCCAGATCCCATCCTGGGAGT
 GACCGAAGCCTTCAAGAGAGATACCAACAGCAAGAAGATGAACCTGGGAGTTGGTGCCTACCGGGACGAT
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 AAGAATACCTACCCATCGGGGGACTGGCTGATTTTTGTAAAGCTTCTGCAGAAGTGGCCCTGGGCGAGAA
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 CTGGCCACGCCATTACCAGGTCACCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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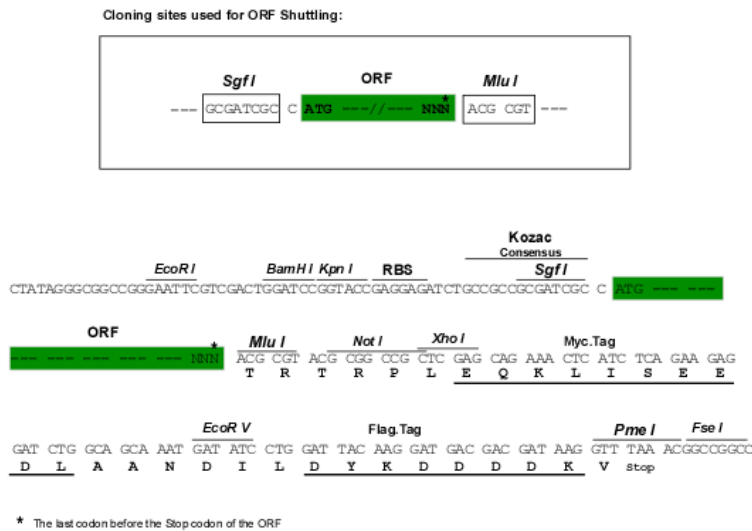
MALLHSGRVLSGMAAFHPGLAAAASARASSWTHVEMGPPDPILGVTEAFKRDTNSKMMNLGVGAYRDD
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 GASFLQRFFKFSRDVFLPKPSWGNHTPIFRDAGMQLQGYRYDPKTCGFDFSGALEDISKIPEQSVLLLH
 ACAHNPTGVDRPEQWKEMAAVVKKKNLFAFFDMAYQGFASGDGDKDAWAVRHFIEQGINVCLCQSYAKN
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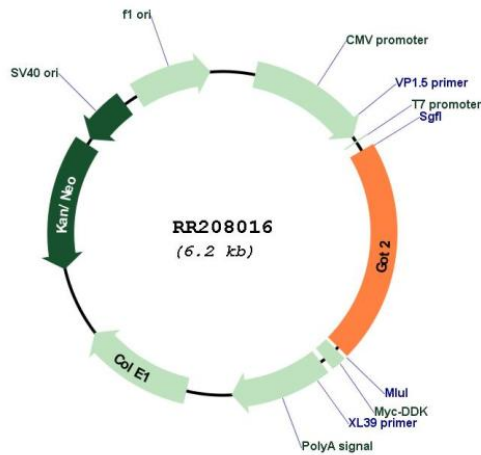
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_013177

ORF Size:	1290 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_013177.2 , NP_037309.1
RefSeq Size:	2372 bp
RefSeq ORF:	1293 bp
Locus ID:	25721
UniProt ID:	P00507
Cytogenetics:	19p13
MW:	47.3 kDa
Gene Summary:	mitochondrial aspartate aminotransferase isozyme [RGD, Feb 2006]