

Product datasheet for MR206054

Gda (BC076583) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gda (BC076583) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gda
Synonyms:	AU015411; AW047581
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206054 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTGCGGCTCGGACGCCGCGCTGGCGCTCGTCTTCCGAGGGACTTTCGTCCACTCCACCTGGACCT
GCCCCATGGAGGTGCTTCGCGATCACCTCCTCGGCGTGAGCGACAGCGGCAAAATAGTGTCTTAGAAGA
ATCATCTCAGCAAGAAAACTGGCCAAGGAGTGGTGTCAAACCATGTGAGATCAGAGAAGTGGCCAC
CATGAGTCTTTCATGCCAGGCCCTGTTGATACCCACATCCATGCCCTCAGTATGCCTTTGCTGGAAGCA
ACGTTGACCTGCCGCTTTTGGAGTGGCTGAATAAGTATACATTTCCACAGAACAAGGTTCCGGAGCAC
TGATGTGGCTGAAGAAGTCTACACTAGAGTTGTTAGGAGAACACTGAAGAACGGCACCCACCGCTTGC
TACTTTGGAACAATTCACACTGACTCATCCCTGATCCTTGCAGAAATTACAGATAAAATTTGGGCAGCGAG
CATTTGTGGGCAAAGTATGCATGGATTTGAATGATACTGTTCCAGAATACAAGGAGACCACCGAGGAGTC
AGTCAAGGAGACAGAGAGATTTGTGTCAGAAATGCTGCAAAAGAATTATCCAAGGTTGAAACCCATAGTG
ACCCACGCTTTACCTTTCTTGACGGGAGACTCTGATGAGTGAAGTGGCAACATCGCCAAGACCCATG
ATCTGTACATCCAGAGCCATATAAGTAAAAATCGTGAAGAAATGAAGCCGTGAAAGCTTATACCTAG
TTACAAAAACTACACAGATGTCTATGATAAAAAAATCTTCTGACAAAACAAGACAGTAATGGCACATGCC
TGCTACCTTTCTGAAGAAGAATTAACATCTTCAGTGAACGAGGAGCATCCATTGCATTTGCCAACT
CTAATCTGTCGCTGAGCAGTGGCTTACTGAACGTGCTTGAGGTCTGAAGCATAAAGTGAAGATAGGGCT
GGGACAGATGTGGCTGGTGGCTACTCCTATTCCATGCTTGATGCCATCAGAAGAGCAGTCATGGTTTCC
AATGTCCTCTTAATTAAGGTAAGTAAATGAGAAAACTCACCTCAAAGAAGTCTTCAGACTAGCCACTC
TTGGAGGAAGCCAAGCCCTGGGGCTTGATAGCGAGATTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206054 protein sequence
Red=Cloning site Green=Tags(s)

MCAARTPPLALVFRGTFVHSTWTCPMEVLRDHL LGVSDSGKIVFLEESSQQEKLAKEWCFKPCEIRELSH
 HEFFMPGLVDTHIHAPQYAFAGSNVDLPLEWLNKYTFPTEQRF RSTDVAEEVYTRVRRTLKNGTTTAC
 YFGTIHTDSSLILAEITDKFGQRA FVGKVCMDLNDTVPEYKETTEESVKETERFVSEMLQKNYPRVKPIV
 TPRFTLSCTETLMSELGNI AKTHDLYIQSHISENREEIEAVKSLYPSYKNYTDVYDKNLLTNKTVMAHG
 CYLSEELNIFSERGASIAHCPNSNLSLSSGLLNVLVLEVLKHKVKIGLGT DVAGGYSYMLDAIRRAVMVS
 NVLLINKVNEKNLTLKEVFR LATLGGSQALGLDSEIG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC076583

ORF Size: 1161 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: [BC076583](#), [AAH76583](#)

RefSeq Size: 3432 bp

RefSeq ORF: 1163 bp

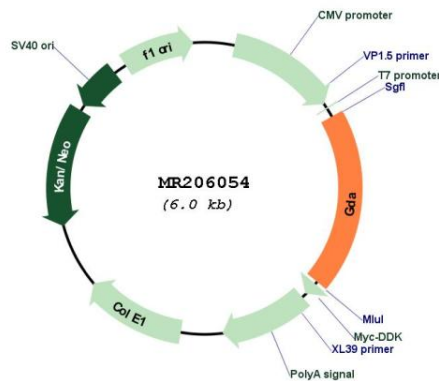
Locus ID: 14544

Cytogenetics: 19 14.32 cM

MW: 43.6 kDa

Gene Summary: Catalyzes the hydrolytic deamination of guanine, producing xanthine and ammonia. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206054