

Product datasheet for **MC202104**

Guca2b (NM_008191) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Guca2b (NM_008191) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Guca2b
Synonyms:	AV066530; Gca; Gcap2; Ugn; urog
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC024373 sequence for NM_008191 CCCACGCGTCCGCCACGCGTCCGGGAACCCAGAGGTGTGAGCTTGAAGCGAGGCCATGTCAAGAAGCC AACTGTGGGCTGCCGTCGTCCTGCTGCTCCTGCAGAGTGCACAGGGTGTCTACATCAAGTACCATGG CTTCCAAGTCCAGCTGGAATCAGTGAAGAAGCTGAATGAGTTGGAGGAGAAGGAGATGTCCAATCCCAG CCGCGGAGAAGTGGCCTCCTCCCTGCTGTGTGCCATAACCCAGCCTTGCCCTTGGACCTCCAGCCTGTT GTGCCTCCAGGAAGCTGCCAGCACCTTCAAGGCCTTGAGGACCATCGCCACCGACGAATGTGAAGTGTG TATAAATGTTGCCTGTACAGGCTGCTGATGAAATGACTCTGGGTCTTAAGACCACTCCGGACACTTCCC CACAGCCCAACCTGTCCATACTTAGGCACCATTGAAGTAATCGCCATCCTCCCAGCATAAATGGATCCTT AGCAAGGCAATATGGATGCAGAGTTGCCATATTTGGCCCCAGGCAGCTGCACCTGAATAAAAAATGCTA CCCCCAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_008191
Insert Size:	321 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



[View online »](#)

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: [BC024373](#), [AAH24373](#)

RefSeq Size: 605 bp

RefSeq ORF: 321 bp

Locus ID: 14916

UniProt ID: [O09051](#)

Cytogenetics: 4 55.48 cM

Gene Summary: This gene encodes a member of the guanylin family and preproprotein that is proteolytically processed to generate a mature protein product. The mature protein product, known as uroguanylin, is an endogenous ligand for the guanylate cyclase-C receptor and may regulate salt and water homeostasis in the intestine and kidneys. Homozygous knockout mice for this gene exhibit impaired sodium chloride excretion and elevated arterial pressure. This gene is present in a gene cluster with a related guanylin family member on chromosome 4. [provided by RefSeq, Sep 2015]