

Product datasheet for **RN202610**

Guca2a (NM_013118) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Guca2a (NM_013118) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Guca2a
Synonyms:	GUANYL; Guanylin; Guca2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202610 representing NM_013118 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGCCTGGTTGCTGTCTGTGCTGTGCCTCCTGGGTGCCTTGGCTGTCCTGGTAGAAGGGTCACTG
TGCAGGATGGAGACCTTTCCTTCTGGAGTCAGTGAACAACCTAAGCACCTCCGGGAAGTACAGGA
GCCCACTGATGAGTCACAAGAAGTTTGTCTCAGGCTCCGAAGCCTGTGGCACCAGAGCTATGTAGC
CAATCTGCATTTCCAGAAGCACTGAGGCCCTCTGCGAGAAACCAACGCCGAGGAGATCTGCAGAGGC
TAGAGGCCATTGCTCAGGACCAACACATGTGAAATCTGTGCCTATGCTGCCTGCACGGGATGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_013118
Insert Size:	348 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).



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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_013118.1](#), [NP_037250.1](#)

RefSeq Size: 567 bp

RefSeq ORF: 348 bp

Locus ID: 25656

UniProt ID: [P28902](#)

Cytogenetics: 5q36

Gene Summary: activated peptide mediates increase in cGMP; may act as a ligand for guanylyl cyclase C [RGD, Feb 2006]