

Product datasheet for **RC221085L4V**

Uroguanylin (GUCA2B) (NM_007102) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Uroguanylin (GUCA2B) (NM_007102) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Uroguanylin |
| Synonyms: | GCAP-II; UGN |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_007102 |
| ORF Size: | 336 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC221085). |
| 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. |
| RefSeq: | NM_007102.1 |
| RefSeq Size: | 597 bp |
| RefSeq ORF: | 339 bp |
| Locus ID: | 2981 |
| UniProt ID: | Q16661 |
| Cytogenetics: | 1p34.2 |
| Protein Families: | Druggable Genome, Secreted Protein, Transmembrane |
| MW: | 12.1 kDa |



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Gene Summary:

This gene encodes a preproprotein that is proteolytically processed to generate multiple protein products, including uroguanylin, a member of the guanylin family of peptides and an endogenous ligand of the guanylate cyclase-C receptor. Binding of this peptide to its cognate receptor stimulates an increase in cyclic GMP and may regulate salt and water homeostasis in the intestine and kidneys. [provided by RefSeq, Nov 2015]