

## Product datasheet for **RC218737L4V**

### UROC1 (NM\_144639) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	UROC1 (NM_144639) Human Tagged ORF Clone Lentiviral Particle
Symbol:	UROC1
Synonyms:	HMFN0320; UROCD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_144639
ORF Size:	2028 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218737).
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. <a href="#">More info</a>
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:	<a href="#">NM_144639.1</a>
RefSeq Size:	3280 bp
RefSeq ORF:	2031 bp
Locus ID:	131669
UniProt ID:	<a href="#">Q96N76</a>
Cytogenetics:	3q21.3
Protein Pathways:	Histidine metabolism, Metabolic pathways
MW:	74.8 kDa



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**Gene Summary:**

This gene encodes an enzyme involved in the second step of histidine catabolism, metabolizing urocanic acid to formiminoglutamic acid. Deficiency of this enzyme results in urocanic aciduria, and is an apparent cause of mental retardation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2021]