

Product datasheet for **MR200311L3V**

Gast (NM_010257) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gast (NM_010257) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gast
Synonyms:	G; GAS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_010257
ORF Size:	306 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200311).
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_010257.2 , NP_034387.2
RefSeq Size:	455 bp
RefSeq ORF:	306 bp
Locus ID:	14459
UniProt ID:	P48757
Cytogenetics:	11 63.46 cM



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Gene Summary:

This gene encodes the peptide hormone gastrin, which stimulates gastric acid secretion, proliferation, cell migration and angiogenesis, as well as inhibits apoptosis. The encoded preproprotein undergoes proteolytic processing to generate multiple gastrin peptides differing in size. Mice lacking the encoded protein exhibit a decrease in the number of parietal cells, achlorohydria and a decrease in the colonic proliferation. [provided by RefSeq, Nov 2015]