

Product datasheet for **MR201752L4V**

Dhfr (NM_010049) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

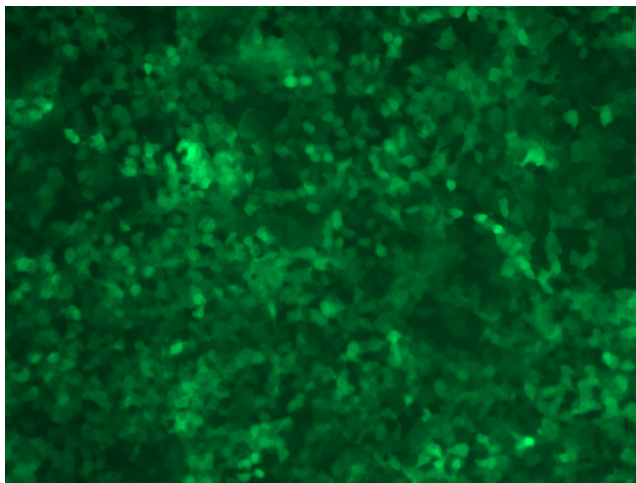
Product Type:	Lentiviral Particles
Product Name:	Dhfr (NM_010049) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dhfr
Synonyms:	8430436I03Rik; AA607882; AI662710; AW555094
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010049
ORF Size:	561 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201752).
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_010049.3 , NP_034179.1
RefSeq Size:	5307 bp
RefSeq ORF:	564 bp
Locus ID:	13361
UniProt ID:	P00375
Cytogenetics:	13 47.64 cM



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Gene Summary:

Key enzyme in folate metabolism. Contributes to the de novo mitochondrial thymidylate biosynthesis pathway (PubMed:25980602). Catalyzes an essential reaction for de novo glycine and purine synthesis, and for DNA precursor synthesis (PubMed:25980602). Binds its own mRNA.[UniProtKB/Swiss-Prot Function]

Product images:

[MR201752L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR201752L4V particle to overexpress human Dhfr-mGFP fusion protein.