

Product datasheet for **MR200184L4V**

Ufm1 (NM_026435) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ufm1 (NM_026435) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ufm1
Synonyms:	1810045K17Rik; AI132708; AI463323; ENSMUSG00000074598; Gm10726
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_026435
ORF Size:	255 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR200184).
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_026435.5 , NP_080711.1
RefSeq Size:	4887 bp
RefSeq ORF:	258 bp
Locus ID:	67890
UniProt ID:	P61961
Cytogenetics:	3 C



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Gene Summary:

Ubiquitin-like modifier which can be covalently attached via an isopeptide bond to substrate proteins as a monomer or a lysine-linked polymer (PubMed:21494687). The so-called ufmylation, requires the UFM1-activating E1 enzyme UBA5, the UFM1-conjugating E2 enzyme UFC1, and the UFM1-ligase E3 enzyme UFL1. This post-translational modification on lysine residues of proteins may play a crucial role in a number of cellular processes. TRIP4 ufmylation may for instance play a role in nuclear receptors-mediated transcription (By similarity). Other substrates may include DDRGK1 with which it may play a role in the cellular response to endoplasmic reticulum stress.[UniProtKB/Swiss-Prot Function]