

Product datasheet for **MR216172L3V**

Gfral (NM_205844) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gfral (NM_205844) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gfral
Synonyms:	AY457637; Gral
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_205844
ORF Size:	1179 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216172).
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_205844.3 , NP_995316.2
RefSeq Size:	2080 bp
RefSeq ORF:	1182 bp
Locus ID:	404194
UniProt ID:	Q6SJE0
Cytogenetics:	9 D



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Gene Summary:

Brainstem-restricted receptor for GDF15 which regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses (PubMed:28953886, PubMed:28846099, PubMed:28846097, PubMed:28846098). Upon interaction with its ligand, GDF15, interacts with RET and induces cellular signaling through activation of MAPK- and AKT- signaling pathways (PubMed:28846098, PubMed:28846099).[UniProtKB/Swiss-Prot Function]