

Product datasheet for **RC215195L4V**

MC3R (NM_019888) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MC3R (NM_019888) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MC3R
Synonyms:	BMIQ9; MC3; MC3-R; OB20; OQTL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019888
ORF Size:	1080 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215195).
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_019888.2 , NP_063941.2
RefSeq Size:	1083 bp
RefSeq ORF:	972 bp
Locus ID:	4159
UniProt ID:	P41968
Cytogenetics:	20q13.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction



[View online »](#)

MW: 35.9 kDa

Gene Summary: This gene encodes a G-protein-coupled receptor for melanocyte-stimulating hormone and adrenocorticotrophic hormone that is expressed in tissues other than the adrenal cortex and melanocytes. This gene maps to the same region as the locus for benign neonatal epilepsy. Mice deficient for this gene have increased fat mass despite decreased food intake, suggesting a role for this gene product in the regulation of energy homeostasis. Mutations in this gene are associated with a susceptibility to obesity in humans. [provided by RefSeq, Jul 2008]