

Product datasheet for **MR220137L4V**

Gpr68 (NM_175493) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gpr68 (NM_175493) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gpr68
Synonyms:	BB131428; Ogr1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175493
ORF Size:	1095 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220137).
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_175493.4 , NP_780702.1
RefSeq Size:	3241 bp
RefSeq ORF:	1098 bp
Locus ID:	238377
UniProt ID:	Q8BFQ3
Cytogenetics:	12 E



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Gene Summary:

Proton-sensing receptor involved in pH homeostasis. May represent an osteoblastic pH sensor regulating cell-mediated responses to acidosis in bone. Mediates its action by association with G proteins that stimulates inositol phosphate (IP) production or Ca(2+) mobilization. The receptor is almost silent at pH 7.8 but fully activated at pH 6.8. Function also as a metastasis suppressor gene in prostate cancer.[UniProtKB/Swiss-Prot Function]