

Product datasheet for **MR226201L4V**

Gprc6a (NM_153071) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gprc6a (NM_153071) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gprc6a
Synonyms:	MGC124360
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_153071
ORF Size:	2784 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226201).
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_153071.1 , NP_694711.1
RefSeq Size:	2856 bp
RefSeq ORF:	2787 bp
Locus ID:	210198
UniProt ID:	Q8K4Z6
Cytogenetics:	10 B3



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Gene Summary:

Receptor activated by amino acids with a preference for basic amino acids such as L-Lys, L-Arg and L-ornithine but also by small and polar amino acids. The L-alpha amino acids respond is augmented by divalent cations Ca(2+) and Mg(2+). Activated by extracellular calcium and osteocalcin. Seems to act through a G(q)/G(11) and G(i)-coupled pathway. Mediates the non-genomic effects of androgens in multiple tissue. May coordinate nutritional and hormonal anabolic signals through the sensing of extracellular amino acids, osteocalcin, divalent ions and its responsiveness to anabolic steroids.[UniProtKB/Swiss-Prot Function]