

## Product datasheet for **MR222143L3V**

### **Gira3 (NM\_080438) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Gira3 (NM_080438) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gira3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_080438
ORF Size:	1440 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222143).
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. <a href="#">More info</a>
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:	<a href="#">NM_080438.2</a> , <a href="#">NP_536686.2</a>
RefSeq Size:	1474 bp
RefSeq ORF:	1443 bp
Locus ID:	110304
UniProt ID:	<a href="#">Q91XP5</a>
Cytogenetics:	8 29.69 cM



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**Gene Summary:**

Glycine receptors are ligand-gated chloride channels. Channel opening is triggered by extracellular glycine (PubMed:15131310, PubMed:20978350). Channel characteristics depend on the subunit composition; heteropentameric channels display faster channel closure (By similarity). Plays an important role in the down-regulation of neuronal excitability. Contributes to the generation of inhibitory postsynaptic currents (PubMed:15131310). Contributes to increased pain perception in response to increased prostaglandin E2 levels (PubMed:15131310). Plays a role in the regulation of breathing rhythm, especially of the duration of the postinspiratory phase (PubMed:20978350). Plays a role in cellular responses to ethanol (By similarity).[UniProtKB/Swiss-Prot Function]