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# Product datasheet for MR206192L3V

## Gnb5 (NM_010313) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Gnb5 (NM_010313) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Gnb5 |
| **Synonyms:** | flr; Gbeta5; GBS |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_010313 |
| **ORF Size:** | 1188 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(MR206192). |
| **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_010313.1 |
| **RefSeq Size:** | 2249 bp |
| **RefSeq ORF:** | 1188 bp |
| **Locus ID:** | 14697 |
| **UniProt ID:** | P62881 |
| **Cytogenetics:** | 9 42.3 cM |

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**Gene Summary:** Enhances GTPase-activating protein (GAP) activity of regulator of G protein signaling (RGS) proteins, hence involved in the termination of the signaling initiated by the G protein coupled receptors (GPCRs) by accelerating the GTP hydrolysis on the G-alpha subunits, thereby promoting their inactivation (Probable). Increases RGS9 GTPase-activating protein (GAP) activity, hence contributes to the deactivation of G protein signaling initiated by D(2) dopamine receptors (By similarity). May play an important role in neuronal signaling, including in the parasympathetic, but not sympathetic, control of heart rate (By similarity). [UniProtKB/Swiss-Prot Function]