

## Product datasheet for **MR203344L4V**

### Fam83a (NM\_173862) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Fam83a (NM_173862) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Fam83a   |
| Synonyms:                 | MGC40696   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_173862  |
| ORF Size:                 | 777 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR203344).   |
| 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_173862.1</a> , <a href="#">NP_776287.1</a>  |
| RefSeq Size:              | 2089 bp  |
| RefSeq ORF:               | 1311 bp  |
| Locus ID:                 | 239463   |
| UniProt ID:               | <a href="#">Q8K2P2</a>   |
| Cytogenetics:             | 15 D1  |



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**Gene Summary:**

Probable proto-oncogene that functions in the epidermal growth factor receptor/EGFR signaling pathway. Activates both RAS/MAPK and PI3K/AKT/TOR signaling cascades downstream of EGFR. Required for the RAS/MAPK signaling cascade activation upon EGFR stimulation, it also activates both signaling cascades independently of EGFR activation. [UniProtKB/Swiss-Prot Function]