

Product datasheet for **MR209198L4V**

Gbp5 (NM_153564) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Gbp5 (NM_153564) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Gbp5 |
| Synonyms: | 5330409J06Rik; Gbp5a |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_153564 |
| ORF Size: | 1773 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR209198). |
| 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_153564.2 , NP_705792.2 |
| RefSeq Size: | 3021 bp |
| RefSeq ORF: | 1773 bp |
| Locus ID: | 229898 |
| UniProt ID: | Q8CFB4 |
| Cytogenetics: | 3 H1 |



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Gene Summary:

As an activator of NLRP3 inflammasome assembly, plays a role in innate immunity and inflammation. Promotes selective NLRP3 inflammasome assembly in response to microbial and soluble, but not crystalline, inflammasome activating agents (PubMed:22461501). Hydrolyzes GTP, but in contrast to other family members, such as GBP1 and GBP2, does not produce GMP (By similarity).[UniProtKB/Swiss-Prot Function]