

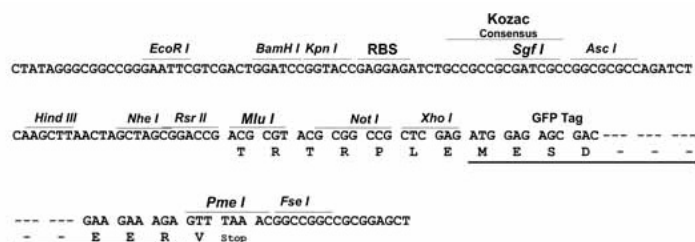
Product datasheet for **RG201748**

MAGED2 (NM_014599) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MAGED2 (NM_014599) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | MAGED2 |
| Synonyms: | 11B6; BARTS5; BCG-1; BCG1; HCA10; MAGE-D2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Restriction Sites: | SgfI-MluI |
| Cloning Scheme: | |

Cloning sites used for ORF Shuttling:



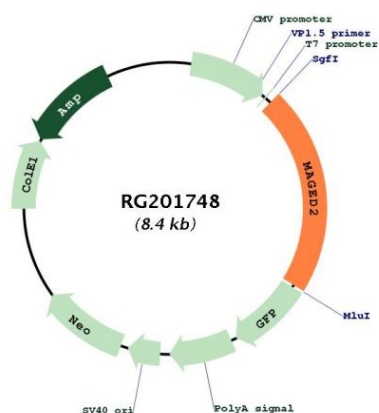
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|-----------|-----------|
| ACCN: | NM_014599 |
| ORF Size: | 1818 bp |



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| 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. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | <ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| Note: | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required. |
| RefSeq: | NM_014599.6 |
| RefSeq Size: | 2080 bp |
| RefSeq ORF: | 1821 bp |
| Locus ID: | 10916 |
| UniProt ID: | Q9UNF1 |
| Cytogenetics: | Xp11.21 |
| Domains: | MAGE |
| Gene Summary: | This gene is a member of the MAGED gene family. The MAGED genes are clustered on chromosome Xp11. This gene is located in Xp11.2, a hot spot for X-linked intellectual disability (XLID). Mutations in this gene cause a form of transient antenatal Bartter's syndrome. This gene may also be involved in several types of cancer, including breast cancer and melanoma. The protein encoded by this gene is progressively recruited from the cytoplasm to the nucleoplasm during the interphase and after nucleolar stress and is thus thought to play a role in cell cycle regulation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2017] |

Product images:



Circular map for RG201748