

Product datasheet for **MG201746**

Mrps28 (NM_025434) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrps28 (NM_025434) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mrps28
Synonyms: 1500012D08Rik; AW061224
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201746 representing NM_025434
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCGCTGTGTAGGTCCCACGCCGGGACTGCTGGGAGCCGTTTCTTGAGAGCGCTTGTCTTCTCCA
 AGCCTTTGCGAAATGCAAGCACGGAGAGTGGTCCGAGAGCGCAACCCACGACTCCTCCGCTCCTCGGGC
 GCGTTCAGGCGGCTTCGCGAGCGCTCTGGAGCGACTTGGACTTGCAGCGGAAGCGGAGCTCCGACTG
 GAGTCTCCAAAACCTGTGGAGTCTTCGCCTCCATGCTGAGACTCTCCACTGACCCAGCTGGGGCCTG
 CCAAGGACAACTGGTCATCGGGCGCATCTCCATATCGTGGAGGACGATCTCTACATAGATTTTGGTGG
 CAAGTTTCACTGTGTGTAAAAGACCAGATGTGGATGGCGAGAAATACCAGAGGGGCACCAGGGTCCGG
 CTGCGTCTCCTGGATCTTGGACTGACATCTAGGTTCTGGGTGGGACCACAGATACTACTGGAGG
 CTGATGCGATTCTCTTAGGACTCCAAGAGATCAGGGACTCAAATCAAGAGAGGACAACCCAGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201746 representing NM_025434
 Red=Cloning site Green=Tags(s)

MAALCRSHAGTAGSRFLRALVFSKPLRNASTESGSESATHDSSAPRARSGGFASALERHLDLQRKAELRL
 ESPKPVESFASMLRHSPLTQLGPAKDKLVIGRIFHIVEDDLIDFGGKFHCVCKRPDVGGEKYQRGTRVR
 LRLLDLELTSRFLGGTTDTTILEADAVLLGLQEIRDSKSREEQPSK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_025434

ORF Size: 558 bp

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:**
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.

RefSeq: [NM_025434.2](#), [NP_079710.2](#)

RefSeq Size: 781 bp

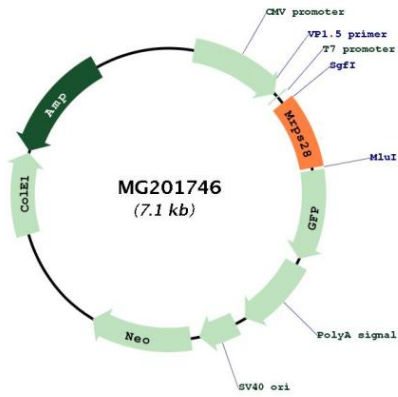
RefSeq ORF: 561 bp

Locus ID: 66230

UniProt ID: [Q9CY16](#)

Cytogenetics: 3 A1

Product images:



Circular map for MG201746