

Product datasheet for **MG202951**

Prl8a8 (NM_023741) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Prl8a8
Synonyms:	1600032B14Rik; Ghd14; PLP-Cgamma; Prlpc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG202951 representing NM_023741
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAGTCAATTCAGACAACCTCACTTCTCAGATGCACTCCTGCTGCTACTGTTGTCAAACCTTGTCTGC
TGTGGGAGAAAGCTTCATCAATTCCTGCATGTATGGCAGAAAAGAGCGGCTGCTGGAACCCACGGATGGA
AACATTTGACAGTGCCATCCGGAAAGCTGAAACCCTTCGTACAGTTTCTAAACAATTCTATGTAGAGCTT
TACCACAACCAATTCTCATCTGGAAAATTTGCAACTTCTACTTCCAACTGGTTCGGCGGGATGAGATTG
TTTTTCAGAGCTGCATCTCACTGCCATTCTACTCTAACAAATCCCCAAATAAGGGAATTCATACATAAC
TATTGAAATTCAGAGTATTTAAAACTTTGATAAATTATGTGGTGCCTGGATTAGCCCTTATTCCAT
CTAGTGATTGAACTGAGTGCCATGAAAGATGTCCTGAAACTATCCTCTCAAAGCCAAGGAGATTGAAG
AGAACAACAGACAAATTCTGCGTGACCTTAGGTGGATAATCACTGAGGTCTATCCTACCTCAAAGAAGAA
GGAAATTTTTCCAGCTGGAACTTCTTTCATTCTAAAATCAAGTAGCAGAAATTCTAAGTTTTGGCA
ATGTTAACCTTTCCCACTGTCTAGAGTATGATACACAGTTCTTTCTATTTTCATCTAAGAATATTGAAGT
GTCGTATAACTGAAAAGATTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG202951 representing NM_023741
 Red=Cloning site Green=Tags(s)

MELQFRQPHFSDALLLLLLSNLLLWEKASSIPACMAEKSGCWNPRMETFDSAIRKAETLRTVSKQFYVEL
 YHNQFSSGKFATLTSKLVRRDEIVFRAASHCHSTLTNPPNKIQYITIEIPEYLKTLINYVGAWISPLFH
 LVIELSAMKDVPETILSKAKEIEENNRQILRDLRWIIEVYPTSKKKEIFPSWELLSFLKSSSRNSKFLA
 MFNLSHCLEYDTQFFLHRLILKCRITGKDC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023741

ORF Size: 723 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_023741.1](#), [NP_076230.1](#)

RefSeq Size: 909 bp

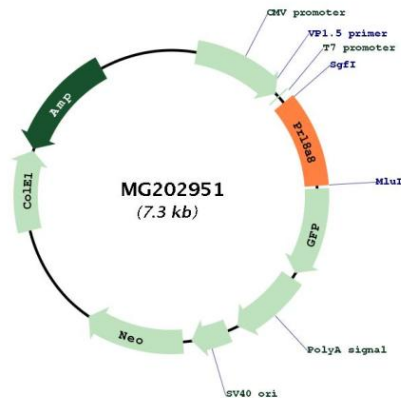
RefSeq ORF: 723 bp

Locus ID: 74188

UniProt ID: [Q9DAS4](#)

Cytogenetics: 13 A3.1

Product images:



Circular map for MG202951