

## Product datasheet for MR201111

### Ptges (NM\_022415) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptges (NM\_022415) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ptges  
**Synonyms:** 2410099E23Rik; D2Ertd369e; mPGES; mPGES-1; Pges  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201111 representing NM\_022415  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCTTCCCCGGCCTGGTGATGGAGAGCGGCCAGGTGCTCCCGCCTTTCTGCTCTGCAGCACACTGC  
 TGGTCATCAAGATGTACGCGGTGGCTGTATCACAGGCCAGATGAGGCTGCGGAAGAAGGCTTTTGCCAA  
 CCCCAGGATGCGCTGAAACGTGGAGGCCCTCCAGTATTACAGGAGTGACCCAGATGTGGAGCGCTGCCTC  
 AGAGCCCACCGCAACGACATGGAGACAATCTATCCTTTCTCTTCTCGGCTTCGTACTATTCTCTGG  
 GACCCAACCTCTGATCGCTGGATACATTTCTCGTTGCTCCTCACAGGCCGTGGTACACACCGTGGC  
 CTACCTGGCAAGCTGAACCCACGCCTTCGCTCCGGGGCCTATGTCCTGGCCAGTTCCTGTTTCTCC  
 ATGGCCCTGCAGATCCTCTGGGAGTGGCCACCATCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201111 representing NM\_022415  
 Red=Cloning site Green=Tags(s)  
 MPSPGLVMESGQVLPAFLLCSTLLVIKMYAVAVITQMRLRKKAFANPEDALKRGLQYYRSDPDVERCL  
 RAHRNDMETIYPFLFLGFVYSFLGPNPLIAWIHFLVVL TGRVVHTVAYLGLKNPRLRSGAYVLAQFSCFS  
 MALQILWEVAHHL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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Cloning Scheme:



ACCN: NM\_022415

ORF Size: 459 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\\_022415.3](#)

RefSeq Size: 3651 bp

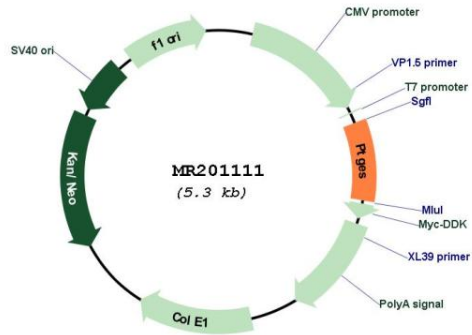
RefSeq ORF: 462 bp

Locus ID: 64292

UniProt ID: [Q9JIM51](#)

**Cytogenetics:** 2 21.75 cM  
**MW:** 17.7 kDa  
**Gene Summary:** Catalyzes the oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201111