

Product datasheet for **MC202093**

Ptges (NM_022415) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptges (NM_022415) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptges
Synonyms:	2410099E23Rik; D2Ertd369e; mPGES; mPGES-1; Pges
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC024960 sequence for NM_022415
 CCGTGTCCCCGAGTTGAAGTCCAGGCCGGCTAGCCGAGATGCCTTCCCCGGGCTGGTGATGGAGAGCGG
 CCAGGTGTCCCCGGCCTTTCTGTCTGCAGCACACTGCTGGTCATCAAGATGTACGCGGTGGCTGTCATC
 ACAGGCCAGATGAGGCTGCGGAAGAAGGCTTTTGCCAACCCCGAGGATGCGCTGAAACGTGGAGGCCTCC
 AGTATTACAGGAGTGACCAGATGTGGAGCGCTGCCTCAGAGCCCACCGCAACGACATGGAGACAATCTA
 TCCTTTCTCTTCTCGGCTTCGTGTACTCATTCTGGGACCCAACCTCTGATCGCCTGGATACATTTCT
 CTCGTTGTCTCACAGGCCGTGTGGTACACACCCGTGGCCTACCTGGGCAAGCTGAACCCACGCCTTCGCT
 CCGGGCCCTATGCTCGCCAGTTCTCCTGTTTCTCCATGGCCCTGCAGATCCTCTGGGAGGTGGCCCA
 CCATCTGTGACCAGCAGCTGAAGCCTCCTCAGCTACCACAGTGGGGACAGAGCCATGAAGCTGAACTTG
 CGGACTTGGTGTCTTTCTAGAATAGGGACGGGTCTGGTCTGGGGTCTGGGTAACCTGGGCGAGTGG
 ATCTCAGGGCCCAATGTGCACATGTGTGTTTCTAGCCTTTTGGGATGCTAGATGAAGTCCCATTGGAG
 CCACCTACAGATGAGCTGTCAAGATTTGAGAGGACATCCTTACCTCACAAAATGCCTTAAACATCACAC
 CACACTCCCTCTAACCATAAAATAAAGGACAGGATTGACCAACAGAGCCATCATCCCATATAGGACTAA
 GAATGAAGGCTTCTCAGACCTACCTACAATTCTGGCCAGCCCAAGGAGAGCCACCTGGCTGGTATGTGT
 CCGAGGACATCCTCACAAGAGGCCAGCAGTGGCCAGCTCCATGTGGAGGTAGAGTGCTTGTATTTTTTA
 GAGGTGGGCGAGGTGAGAGCATCCCTGTCCCTGTGATACCACCGTCTTTGAGTGCCTTAGGTAGCACA
 GGCTCAGGGGGGTGAGAATGTCCACAGCTCAGCCTCCTTGTGCATGGCTTTGGCTCCTCCAAAGACGGAA
 AGGATGGGCTTTGACCAACCCCTGGAAGGGAACCTTTGGCTTCTCAGCATCTGTGAGGTTTGAAGATGCC
 AAATGTCTACTCCTGTGGAAAATCTCACTTGTGTGTGTGCAGTGTCCCTCCAGAGTCTGAGACCTGTTT
 AGGTTTAGTCATTAACAGCAGAGTGTGACCTGTGAATGTTTCGGTGTCTAAGACCCATGCTGTGCCAGCC
 GGCCTGGTACCTATGGGAGTTTTACGTTCCGGTGTGTATGTTTTACTTTTATGAGACAAGGTCTCAC
 TTAAGTGTGGGATCGCCGGCCTGCACCACCATAGTGCCAAGCCAGTACAGGCAACTTCCACAGGCTGC
 TCCAGAGAAGTCCCTGACAAGATGGTGTGGCTTGGGATCCAGAGATGTCCAAATCCTGTCTTCCATGT
 GCGGATTTCTTCTGCAGCTCTGCCACCTTGTAGGGTGTGGTTTTCTGCTCTACAGACGGAGACGGAAAT
 GACTACCTGAAGGAAGGCATAGGGTGTGCTCCAGAACCTGGGACATTGAGGCTCCAGGCTTCCACACA
 AGCCTAGCCACACCCTTCTCCTCCCAGCGGGCAAGCCCTGTGCCCCAGACCTGCTCTATGGGTTGGG
 GAGGGGTTTTACTGAAAGCCCTGCTGGCCTAGGCTTACGCTCACACAGCTGGTGTCTGGGAGTGAA
 TAGCACTGCCCTCTGGTGGTGTGAGTTGAAACCTTTGCTCTGGAGTGCTCATCTGAGAAAACAAAACCTGT
 AGAATGGGGCCCTCTTGAATGCCAGCTGTCGCTGAACATTAGGCTGGATGCGACCTTCATCTGTCATTG
 TCACCCCAACCCCAATGCCCCAGTTAACTTAAATTTTAGATAAGACCAGGTGAATTCAGACAAAAAAA AAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_022415

Insert Size: 462 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC024960](#), [AAH24960](#)

RefSeq Size: 2108 bp

RefSeq ORF: 462 bp

Locus ID: 64292

UniProt ID: [Q9JMS1](#)

Cytogenetics: 2 21.75 cM

Gene Summary: Catalyzes the oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2).[UniProtKB/Swiss-Prot Function]