

Product datasheet for MC205660

Ptges2 (NM_133783) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptges2 (NM_133783) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ptges2
Synonyms: 0610038H10Rik; C79137; Gbf1; Mpges2; Pges2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004846
 GCGCCGGCAGAGCGAACATGGCCAGGCGGCGCGCTTTTCGTGGGTGCTTGTCTCTAGCCGGTGCGCCCT
 GACTGAGGGGCTGCTCACACACCCTGGCAGCCGCTCTCGGCACAGAGCCGGGCTGGCTTACCAGGGT
 GCTGCCGGAAGCCGGGGCGCCGGTCCGCAAGGGGAGCCCGCGTTGCTGGGGCGGCGCGCTGGCCC
 TGGGCGGCGCGCTGGGGCTGTACCACACCGTGGCGTGGCACCAGCGTTCCAGGACCTCCGCGGGAGCG
 CTCGGCTGCGCAGCTGCCCTGTGAACAGCCTGCAGCTGACCCTGTACCAGTACAAGACATGTCCCTTC
 TGCAGCAAAGTCCGTGCCCTTCTCGACTTCCACTCCCTGCCCTATCAGGTGGTGGAGGTGAATCCCGTGA
 GAAGGACTGAGATCAAATTCCTCCTACAGGAAAGTGCCCATCTTGGTGGCCAGGAAGGAGACAGCTT
 GCAACAGCTCAATGACTCCTCTGTATCATTAGTGCCCTCAAGACCTACCTGGTTTACAGGCAGCCCTG
 GAAGAGGTCATCACTTATTACCCACCCATGAAGGCCATGAATGACCAGGGCAAGGAGGTGACCGAGTTTT
 GCAACAAGTACTGGCCATGCTGGACGAGAAGGAGGCCAGCAGATGTATGGCGGAAGGAAGCCAGGAC
 GGAGGAGATGAAGTGGCGCAGTGGGCGGATGACTGGCTGGTGCATCTCATCTCTCCAACGTGTACCGA
 ACACCCGCTGAGGCCTTGGCTTCCCTTCCACTACATTGTCCGTGAGGGCAAGTTTGGGGCTGTGGAGGCTG
 CCATGGCCAAGTATGTGGGCGGGCTGCCATGTACCTCATCAGCAAGCGCCTCAAAGCAGGCACCACCT
 GCAGGATGATGTACGGGTAGACCTCTATGAAGCAGCCAACAAGTGGGTGACAGCCGTGGGTAAAGACCGG
 CCATTCATGGGGGTGAGAAGCCTAACCTTGTGACCTGGCAGTGTATGGTGTGCTGCGAGTGATGGAGG
 GTCTGGAGGCCTTCGACGACCTGATGCGACACTCACACATCCAGCCTTGGTACCTGCGGATGGAGCGGGC
 CATTGAAGAAGCCCCCTCGGTGCATCATGTCAACCCTAGCTGAAAGACTAGTTGCTAGGGACACAAGAC
 CTGGACCAGCCCCCTGGCTGTGCTCACAGAGGGCAGAGTCAATTTGTCTCTGGTCCACTAGCCCCAGTT
 CTCTGCTTCTGATACTGGACATTTCTAGGGCCCTTGACGCTGAGGACAAGGCCAAACTTACAGCTGTTT
 TGTGGGTAAAGGGTCTGGGGTCTCAAAGCCTACCCTTCAACCCAGTTTCAAGGCTGGTCCCCTAAACA
 GGGACTCCTTTTCAACTCTGCTAGGGCCAAGTCCCTTGTGACAGGGATCAGACTGGCTCCTGCCCTGGA
 GGAGGGGAAGGCAGTGTGTTAACAAGCCCCGCCACATGCCTCCAGGTTTTCAGCTCTTCAAGGTGCC
 CTGGGACTATTGTATTTGTAATAAAGGAGAGGTCTGCCACCCCAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_133783
Insert Size:	1155 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:	<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.
RefSeq:	BC004846 , AAH04846
RefSeq Size:	1598 bp
RefSeq ORF:	1155 bp
Locus ID:	96979
UniProt ID:	Q8BWM0
Cytogenetics:	2 B
Gene Summary:	The protein encoded by this gene is a Golgi membrane-associated prostaglandin E synthase candidate, which is capable of catalyzing the conversion of prostaglandin H2 to prostaglandin E2 in vitro. However, a study using mice deficient of this gene suggests that this enzyme does not contribute to prostaglandin E2 biosynthesis in vivo. This protein is synthesized as a Golgi membrane-bound protein, but its N-terminal hydrophobic region is cleaved off during protein maturation to produce the predominant soluble truncated form that still retains the enzyme activity. This soluble protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE), possibly via an interaction with CAAAT/enhancer-binding protein-beta. [provided by RefSeq, Oct 2009]