

Product datasheet for **MC209984**

Hpgds (NM_019455) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hpgds (NM_019455) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hpgds
Synonyms: H-PGDS; Ptgds2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209984 representing NM_019455
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCTAACTACAACTGCTTTATTTAATATGAGGGGAAGAGCCGAAATTATTCGCTACATATTCGCTT
ATTTGGACATAAAGTATGAGGATCACAGAATAGAACAAGCTGACTGGCCTAAAATCAAGCCAACCTTTCC
ATTTGGCAAAAATCCCTGTTTTGGAGGTGGAAGGACTTACAATCCACCAGAGCCTCGCAATAGCAAGATAT
TTGACCAAAAACACAGATTTGGCTGGGAAGACAGCGTTGGAGCAATGTCAAGCTGATGCAGTGGTGGACA
CGCTGGATGACTTCATGTCTCTCTCCATGGGCAGAGAAAGATCAAGATCTAAAAGAGCGGATGTTCAA
TGAATTGCTCACACATCAAGCACCTCGCCTTCTGAAAGATTTGGACACATACTTAGGAGACAAAAGAGTGG
TTTATAGGCAATTATGTAACCTGGGCAGACTTCTACTGGGATATCTGCAGCACCACACTTTTGGTTTTAA
AGCCTGGCTTGTGGATATCTACCCAAACTGGTGTATTACGGAACAAAGTCCAAGCTATCCCTGCCAT
TTCTGCCTGGATACTAAAGAGGCCACAGACAAAAC**CTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019455
Insert Size: 600 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).



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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:	<u>NM_019455.4</u> , <u>NP_062328.3</u>
RefSeq Size:	3298 bp
RefSeq ORF:	600 bp
Locus ID:	54486
UniProt ID:	<u>Q9JHF7</u>
Cytogenetics:	6 C1
Gene Summary:	Bifunctional enzyme which catalyzes both the conversion of PGH2 to PGD2, a prostaglandin involved in smooth muscle contraction/relaxation and a potent inhibitor of platelet aggregation, and the conjugation of glutathione with a wide range of aryl halides and organic isothiocyanates. Also exhibits low glutathione-peroxidase activity.[UniProtKB/Swiss-Prot Function]