OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209984 representing NM_019455 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCCTAACTACAAACTGCTTTATTTTAATATGAGGGGAAGAGCCGAAATTATTCGCTACATATTCGCTT ATTTGGACATAAAGTATGAGGATCACAGAATAGAACAAGCTGACTGGCCTAAAATCAAGCCAACTCTTCC ATTTGGCAAAATCCCTGTTTTGGAGGTGGAAGGACTTACAATCCACCAGAGCCTCGCAATAGCAAGATAT TTGACCAAAAACACAGATTTGGCTGGGAAGACAGCGTTGGAGCAATGTCAAGCTGATGCAGTGGTGGACA CGCTGGATGACTTCATGTCTCTCTTCCCATGGGCAGAGAAAGATCAAGATCTAAAAGAGCGGATGTTCAA TGAATTGCTCACACATCAAGCACCTCGCCTTCTGAAAGATTTGGACACATACTTAGGAGACAAAGAGTGG TTTATAGGCAATTATGTAACCTGGGCAGACTTCTACTGGGATATCTGCAGCACCACACTTTTGGTTTTAA AGCCTGGCTTGTTGGATATCTACCCCAAACTGGTGTCATTACGGAACAAAGTCCAAGCTATCCCTGCCAT TTCTGCCTGGATACTAAAGAGGCCACAGACAAAACTCTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_019455
Insert Size:	600 bp

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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:	NM_019455.4, NP_062328.3
RefSeq Size:	3298 bp
RefSeq ORF:	600 bp
Locus ID:	54486
UniProt ID:	Q9JHF7
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]

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