

Product datasheet for RC202405

Prostaglandin E Synthase (PTGES) (NM_004878) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prostaglandin E Synthase (PTGES) (NM_004878) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Prostaglandin E Synthase
Synonyms: MGST-IV; MGST1-L1; MGST1L1; MPGES; mPGES-1; PGES; PIG12; PP102; PP1294; TP53112
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202405 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTGCCACAGCCTGGTGTGAGCAGCCCGGCCCTCCGGCCTTCTGCTCTGCAGCAGCTGCTGG
 TCATCAAGATGTACGTGGTGGCCATCATCACGGCCAAGTGAGGCTGCGGAAGAAGGCCTTTGCCAAACC
 CGAGGATGCCCTGAGACACGGAGGCCCCAGTATTGCAGGAGCGACCCCGACGTGGAACGCTGCCTCAGG
 GCCACCAGAACGACATGGAGACCATCTACCCCTTCTTTTCTGGGCTTCGTCTACTCCTTTCTGGGT
 CTAACCCTTTTGTCGCTGGATGCACTTCTGGTCTTCTCGTGGCCGTGTGGCACACACCGTGGCCTA
 CCTGGGAAGCTGCGGGACCCATCCGCTCCGTGACCTACACCCTGGCCAGCTCCCTGCGCTCCATG
 GCTCTGCAGATCCTCTGGGAAGCGGCCGCCACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202405 protein sequence
 Red=Cloning site Green=Tags(s)

MPAHSVMSSPALPAFLLCSTLLVIKMYVVAIITGQVRLRKKAFANPEDALRHGGPQYCRSDPDVERCLR
 AHRNDMETIYPFLFLGFVYSFLGPNPFVAMHFLVFLVGRVAHTVAYLGLKLRAPIRSVTYTLAQLPCASM
 ALQILWEAARHL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

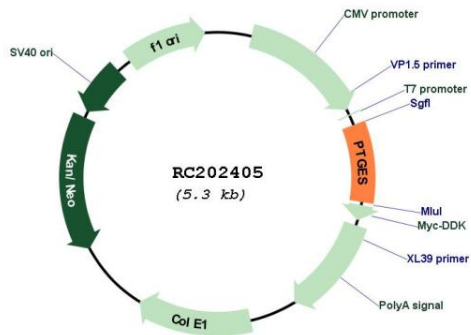
Chromatograms: https://cdn.origene.com/chromatograms/mk6144_g06.zip



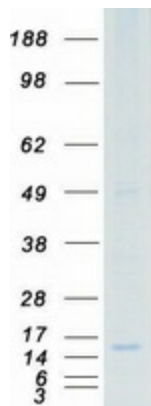
[View online »](#)

UniProt ID: [O14684](#)
Cytogenetics: 9q34.11
Domains: MAPEG
Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Arachidonic acid metabolism, Metabolic pathways
MW: 17.1 kDa
Gene Summary: The protein encoded by this gene is a glutathione-dependent prostaglandin E synthase. The expression of this gene has been shown to be induced by proinflammatory cytokine interleukin 1 beta (IL1B). Its expression can also be induced by tumor suppressor protein TP53, and may be involved in TP53 induced apoptosis. Knockout studies in mice suggest that this gene may contribute to the pathogenesis of collagen-induced arthritis and mediate acute pain during inflammatory responses. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC202405



Coomassie blue staining of purified PTGES protein (Cat# [TP302405]). The protein was produced from HEK293T cells transfected with PTGES cDNA clone (Cat# RC202405) using MegaTran 2.0 (Cat# [TT210002]).