

HPGDS cDNA

Catalog Number: ATGD0117

PRODUCT INFORMATION

Catalog number

ATGD0117

Product type

cDNA

Species

Human

NCBI Accession No.

NP_055300.1

Alternative Names

Hematopoietic prostaglandin D synthase, GSTS, PGDS, H-PGDS, PGD2, GSTS1-1, GSTS1

mRNA Refseq

NM_014485.2

OMIM

602598

Chromosome location

4q22.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

600bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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Prostaglandin-D synthase is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH2 to PGD2 and plays a role in the production of prostanoids in the immune system and mast cells. The presence of this enzyme can be used to identify the differentiation stage of human megakaryocytes.

DATA

Sequence nucleotides

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ATGCCAACT ACAAACTCAC TTATTTTAAT ATGAGGGGGA GAGCAGAAAT TATTCGTTAC ATATTTGCTT ATTTGGACAT
ACAGTATGAA GACCACAGAA TAGAACAAGC TGA CTGGCCT GAAATCAAAT CAACTCTCCC ATTTGGAAAA
ATCCCCATTT TGGAAGTTGA TGGACTTACT CTTACCAGA GCCTAGCAAT AGCAAGATAT TTGACCAAAA
ACACAGATTT GGCTGGAAAC ACAGAAATGG AACAATGTCA TGTTGATGCT ATTGTGGACA CTCTGGATGA
TTTCATGTCA TGTTTTCCTT GGGCAGAGAA AAAGCAAGAT GTGAAAGAGC AGATGTTCAA TGAGCTGCTC
ACGTATAATG CGCCTCATCT TATGCAAGAC TTGGACACAT ATTTAGGGGG GAGAGAATGG CTTATTGGTA
ACTCTGTAAC TTGGGCAGAC TTCTACTGGG AGATTTGCAG TACCACACTT TTGGTCTTTA AGCCTGACCT
GTTAGACAAC CATCCAAGGC TGGTGACTTT ACGGAAGAAA GTCCAAGCCA TTCCTGCCGT CGCTAACTGG
ATAAAACGAA GGCCCCAAAC CAACTCTAG
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Transaction Sequence

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MPNYKLTYFN MRGRAEIIRY IFAYLDIQYE DHRIEQADWP EIKSTLPFGK IPILEVDGLT LHQSLAIARY LTKNTDLGN
TEMEQCHVDA IVDTLDDFMS CFPWAEKKQD VKEQMFNELL TYNAPHLMQD LD TYLGGREW LIGNSVTWAD FYWEICSTTL
LVFKPDLLDN HPRLVTLRKK VQAIPAVANW IKRRPQTKL
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