

Product datasheet for **SC202050**

Prostaglandin D Synthase (PTGDS) (NM_000954) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Prostaglandin D Synthase (PTGDS) (NM_000954) Human 3' UTR Clone
Symbol:	Prostaglandin D Synthase
Synonyms:	L-PGDS; LPGDS; PDS; PGD2; PGDS; PGDS2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000954
Insert Size:	194 bp
Insert Sequence:	>SC202050 3'UTR clone of NM_000954 The sequence shown below is from the reference sequence of NM_000954. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC CAAACCGATAAGTGCATGACGGAACAA TAG GACTCCCCAGGGCTGAAGCTGGGATCCCGGCCAGCCAGG TGACCCCCACGCTCTGGATGTCTCTGCTCTGTTCTTCCCGAGCCCCTGCCCGGCTCCCCGCCAAAG CAACCCTGCCCACTCAGGCTTCATCCTGCACAATAAACTCCGGAAGCAAGTCAGTA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_000954.6</u>



[View online »](#)

Summary:

The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H₂ (PGH₂) to prostaglandin D₂ (PGD₂). PGD₂ functions as a neuromodulator as well as a trophic factor in the central nervous system. PGD₂ is also involved in smooth muscle contraction/relaxation and is a potent inhibitor of platelet aggregation. This gene is preferentially expressed in brain. Studies with transgenic mice overexpressing this gene suggest that this gene may be also involved in the regulation of non-rapid eye movement sleep. [provided by RefSeq, Jul 2008]

Locus ID:

5730

MW:

6.8