

Product datasheet for AR09950PU-L

PTGDS (23-190, His-tag) Human Protein

Product data:

OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	PTGDS (23-190, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH M</u> APEAQVSVQ PNFQQDKFLG RWFSAGLASN SSWLREKKAA LSMCKSVVAP ATDGGLNLTS TFLRKNQCET RTMLLQPAGS LGSYSYRSPH WGSTYSVSVV ETDYDQYALL YSQGSKGPGE DFRMATLYSR TQTPRAELKE KFTAFCKAQG FTEDTIVFLP QTDKCMTEQ
Tag:	His-tag
Predicted MW:	20.9 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 30% glycerol, 1 mM EDTA, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PTGDS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 000945</u>
Locus ID:	5730
UniProt ID:	<u>P41222, A0A024R8G3</u>
Cytogenetics:	9q34.3
Synonyms:	L-PGDS; LPGDS; PDS; PGD2; PGDS; PGDS2



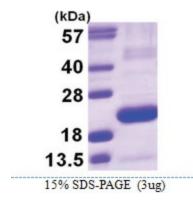
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PTGDS (23-190, His-tag) Human Protein – AR09950PU-L

Summary:The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that
catalyzes the conversion of prostaglandin H2 (PGH2) to postaglandin 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]

Protein Pathways: Arachidonic acid metabolism, Metabolic pathways

Product images:



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