

Product datasheet for **AR50381PU-N**

PGD synthetase / PGDS (1-199, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PGD synthetase / PGDS (1-199, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHPNYKL TYFNMRGRAE IIRYIFAYLD IQYEDHRIEQ ADWPEIKSTL PFGKPILEV DGLTLHQSLA IARYLTKNTD LAGNTEMEQC HVDAIVDTLD DFMSCFPWAE KKQDVKEQMF NELLTYNAPH LMQDLDTYLG GREWLIGNSV TWADFYWEIC STLLLVFKPD LLDNHPRLVT LRKKVQAIPA VANWIKRRPQ TKL
Tag:	His-tag
Predicted MW:	25.9 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HPGDS 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 one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_055300
Locus ID:	27306
UniProt ID:	O60760 , A0A384P5J0
Cytogenetics:	4q22.3
Synonyms:	GSTS; GSTS1; GSTS1-1; PGD2; PGDS



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Summary:

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. [provided by RefSeq, Jul 2008]

Protein Pathways:

Arachidonic acid metabolism, Metabolic pathways

Product images: