

Recombinant Human PGD, GST-tagged

Cat. No. PGD-1665H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PGD protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	137-483aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	PGD phosphogluconate dehydrogenase [Homo sapiens]
Official Symbol	PGD
Synonyms	PGD; phosphogluconate dehydrogenase; 6-phosphogluconate dehydrogenase, decarboxylating; 6PGD;
Gene ID	5226

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mRNA Refseq	NM_002631
Protein Refseq	NP_002622
MIM	172200
UniProt ID	P52209
Chromosome Location	1p36.22
Pathway	Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Pentose Phosphate Pathway, organism-specific biosystem; Pentose phosphate pathway, organism-specific biosystem;
Function	NADP binding; oxidoreductase activity; phosphogluconate dehydrogenase (decarboxylating) activity; phosphogluconate dehydrogenase (decarboxylating) activity;

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