

## PTGDS 抗原（重组蛋白）

中文名称： PTGDS 抗原（重组蛋白）

英文名称： PTGDS Antigen (Recombinant Protein)

别名： PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS

储存： 冷冻（-20℃）

相关类别： 抗原

### 概述

Fusion protein corresponding to a region derived from 23-190 amino acids of human PTGDS

### 技术规格

<b>Full name:</b>	prostaglandin D2 synthase 21kDa (brain)
<b>Synonyms:</b>	PDS; PGD2; PGDS; LPGDS; PGDS2; L-PGDS
<b>Swissprot:</b>	P41222
<b>Gene Accession:</b>	BC005939
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	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.