

Recombinant Mouse Ptgds Protein, GST-tagged

Cat. No. Ptgds-53M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Ptgds protein with GST-tag expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Prostaglandin D synthase (PGDS) catalyzes the isomerization of PGH ₂ to produce PGD ₂ . PGD ₂ induces sleep, regulates nociception, inhibits platelet aggregation, and acts as an allergic mediator. Two distinct types of PGDS have been identified, namely the lipocalin-type enzyme and the hematopoietic enzyme. L-PGDS is localized in the central nervous system and male genital organs of various mammals and the human heart. This enzyme has been identified as β -trace, which is a major protein in human cerebrospinal fluid.
Molecular Mass	46 kDa
Purity	≥90% estimated by SDS-PAGE
Applications	Enzyme Activity
Stability	≥ 1 year
Storage	Store it at -80 centigrade
Storage Buffer	50 mM sodium phosphate, pH 7.2, containing 20% glycerol, 150 mM sodium chloride,

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1 mM DTT, and 0.5 mM EDTA

GENE INFORMATION

Gene Name	Ptgds prostaglandin D2 synthase (brain) [Mus musculus (house mouse)]
Official Symbol	Ptgds
Synonyms	Ptgds; prostaglandin D2 synthase (brain); PGD2; PGDS; 21kDa; PGDS2; Ptgs3; L-PGDS; prostaglandin-H2 D-isomerase; PGD2 synthase; glutathione-independent PGD synthase; glutathione-independent PGD synthetase; lipocalin-type prostaglandin-D synthase; prostaglandin D2 synthase (21 kDa, brain); prostaglandin-D2 synthase
Gene ID	19215
mRNA Refseq	NM_008963
Protein Refseq	NP_032989
UniProt ID	O09114

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