

Active Recombinant Full Length Rat Ptgds Protein, GST-tagged

Cat. No. Ptgds-115R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active recombinant N-terminal GST-tagged rat Ptgds protein was purified from E. coli.
Species	Rat
Source	E.coli
ProteinLength	1-189 a.a.
Description	Catalyzes conversion of prostaglandin H2 to prostaglandin D2, a major prostaglandin that mediates sleep, body temperature, hormone release, and odor responses.
Molecular Mass	47.5 kDa
Purity	≥95% as determined by SDS-PAGE
Unit Definition	One unit of enzyme produces 1 μmol of PGD2 per minutes at 25 centigrade in 100 mM Tris-HCl, pH 8.0, containing 1 mM DTT and 40 μM PGH2.
Stability	≥ 6 months
Storage	At -80 centigrade.
Storage Buffer	50 mM sodium phosphate, pH 7.2, containing 100 mM sodium chloride, 1 mM DTT, 0.5 mM EDTA, and 20% glycerol

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GENE INFORMATION

Gene Name	Ptgds prostaglandin D2 synthase [Rattus norvegicus (Norway rat)]
Official Symbol	Ptgds
Synonyms	Ptgds; prostaglandin D2 synthase; PH2DISO; prostaglandin-H2 D-isomerase; PGD2 synthase; PGDS; PGDS2; Prostaglandin D synthase; glutathione-independent PGD synthase; glutathione-independent PGD synthetase; lipocalin-type prostaglandin-D synthase; prostaglandin D2 synthase (brain); EC 5.3.99.2
Gene ID	25526
mRNA Refseq	NM_013015
Protein Refseq	NP_037147
UniProt ID	P22057

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