Recombinant Rat Ptgds Protein, His-tagged

Cat. No. Ptgds-1997R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ptgds Protein (Gln25-Glu189) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gln25-Glu189
Description	Enables prostaglandin-D synthase activity and retinoid binding activity. Involved in prostaglandin biosynthetic process and response to glucocorticoid. Located in Golgi apparatus and extracellular space. Biomarker of sensorineural hearing loss and type 2 diabetes mellitus. Human ortholog(s) of this gene implicated in carotid artery disease. Orthologous to human PTGDS (prostaglandin D2 synthase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.5 kDa Accurate Molecular Mass: 23 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

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

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