

Recombinant Human PTGDS protein, GST-tagged

Cat. No. PTGDS-079H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTGDS protein(1-190 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-190 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MATHHTLWMGLALLGVLDLQAAPEAQVSVQPNFQQDKFLGRWFSAGLASNSSW LREKKAALSMCKSVVAPATDGGLNLTSTFLRKNQCETRTMLLQPAGSLGSYSYRSP HWGSTYSVSVWETDYDQYALLYSQGSKGPGEDFRMATLYSRTQTTPRAELKEKFTAF CKAQGFTEDTIVFLPQTDKCMTEQ
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION
Gene Name

PTGDS prostaglandin D2 synthase 21kDa (brain) [Homo sapiens]

Official Symbol

PTGDS

Synonyms

PTGDS; prostaglandin D2 synthase 21kDa (brain); prostaglandin D2 synthase (21kD, brain); prostaglandin-H2 D-isomerase; L PGDS; lipocalin type prostaglandin D synthase; PGDS; cerebrin-28; PGD2 synthase; beta-trace protein; prostaglandin D synthase; prostaglandin-D2 synthase; glutathione-independent PGD synthase; glutathione-independent PGD synthetase; lipocalin-type prostaglandin D synthase; lipocalin-type prostaglandin-D synthase; PDS; PGD2; LPGDS; PGDS2; L-PGDS;

Gene ID

5730

mRNA Refseq

NM_000954

Protein Refseq

NP_000945

MIM

176803

UniProt ID

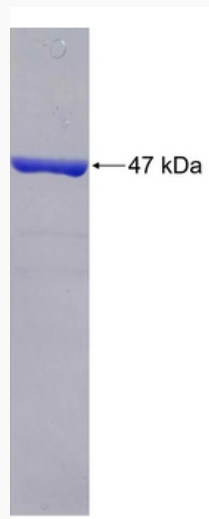
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SDS-PAGE



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