

Recombinant Full Length Human PTGDS Protein, MYC/DDK-tagged

Cat. No. PTGDS-3110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTGDS protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-190 a.a.
Description	The protein encoded by this gene is a glutathione-independent prostaglandin D synthase that catalyzes the conversion of prostaglandin H2 (PGH2) to postaglandin 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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	20.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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

Official Symbol PTGDS

Synonyms L-PGDS; LPGDS; PDS; PGD2; PGDS; PGDS2

Gene ID 5730

mRNA Refseq NM_000954

Protein Refseq NP_000945

MIM 176803

UniProt ID P41222

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