

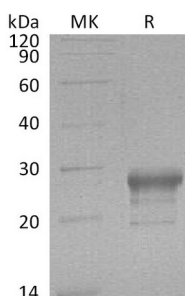
Product Name: Recombinant Human PTGDS (C-6His)
Catalog #: PHH1317



概述 (Summary)

英文全称	PGD2 Synthase/PTGDS
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Prostaglandin-D2 Synthase is produced by our Mammalian expression system and the target gene encoding Ala23-Gln190 is expressed with a 6His tag at the C-terminus.
Accession #	P41222
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	19.7 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

分子别名 (Alternative Names)	Prostaglandin-H2 D-Isomerase; Beta-Trace Protein; Cerebrin-28; Glutathione-
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背景介绍 (References)

Independent PGD Synthase; Lipocalin-Type Prostaglandin-D Synthase; Prostaglandin-D2 Synthase; PGD2 Synthase; PGDS; PGDS2; PTGDS; PDS
Prostaglandin-H2 D-Isomerase (PTGDS) belongs to the Lipocalin family of calycin superfamily. PTGDS is preferentially expressed in the brain. PTGDS catalyzes the conversion of PGH2 to PGD2, a prostaglandin involved in smooth muscle contraction/relaxation and a potent inhibitor of platelet aggregation. PTGDS is involved in a variety of CNS functions, such as sedation, REM sleep and PGE2-induced allodynia, and may have an anti-apoptotic role in oligodendrocytes. PTGDS binds small non-substrate lipophilic molecules and may act as a scavenger for harmful hydrophobic molecules and a secretory retinoid and thyroid hormone transporter. It possibly participates in development and maintenance of the blood-brain, blood-retina, blood-aqueous humor, blood-testis barrier, the central nervous system and male reproductive system.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.