

Prostaglandin D2 Synthase Human Recombinant

Item Number	rAP-1834
Synonyms	Prostaglandin-H2 D-isomerase, Beta-trace protein, Cerebrin-28, Glutathione-independent PGD synthase, Lipocalin-type prostaglandin-D synthase, Prostaglandin-D2 synthase, PGD2 synthase, PGDS, PGDS2, PTGDS, PDS, PGD2, LPGDS, L-PGDS.
Description	PTGDS produced in E.Coli is a single, non-glycosylated polypeptide chain containing 189 amino acids (23-190 a.a.) and having a molecular mass of 20.9kDa.PTGDS is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P41222
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MAPEAQVSVQ PNFQQDKFLG RWFSAGLASN SSWLREKKAALSMCKSVVAP ATDGGLNLTS TFLRKNQCET RTMLLPAGS LGSYSYRSPH WGSTYSVSVV ETDYDQY-ALL YSQGSKGPGE DFRMATLYSR TQTPRAELKE KFTAFCKAQQ FTEDTIVFLP QTDKCMTEQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	PTGDS solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol, 1mM EDTA and 0.1M NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**