

Beta Trace Human Recombinant

Item Number	rAP-4362
Synonyms	Prostaglandin-H2 D-isomerase, EC 5.3.99.2, Lipocalin-type prostaglandin-D synthase, Glutathione-independent PGD synthetase, Prostaglandin-D2 synthase, PGD2 synthase, PGDS2, PGDS, Beta-trace protein, Cerebrin-28, PTGDS, PDS, BTP, Beta Trace.
Description	The Human PTGDS His-Tagged Recombinant Protein, produced in E. coli, is 20.3 kDa protein containing 168 amino acid residues of the human PTGDS and 14 additional amino acid residues - HisTag (underlined).
Uniprot Accesion Number	P41222
Amino Acid Sequence	MRGSHHHHHH GMASAPEAQV SVQPNFQQDK FLGRWFSAGL ASNSSWLREK KAALSMCKSV VAPATDGGLN LTSTFLRKNQ CETRTMLLQP AGSLGYSYSR SPHWGSTYSV SVVETDYDQY ALLYSQG- SKG PGEDFRMATL YSRTQTPRAE LKEKFTAFCK AQGFTEDTIV FLPQTDKCMTEQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized PTGDS although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution PTGDS should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Filtered (0.4 micron) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 20mM NaCl, pH 7.5. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized PTGDS in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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**