

Hematopoietic Prostaglandin D Synthase Human Recombinant

Item Number	rAP-1848
Synonyms	Hematopoietic prostaglandin D synthase, H-PGDS, GST class-sigma, Glutathione S-transferase, Glutathione-dependent PGD synthase, Glutathione-requiring prostaglandin D synthase, Prostaglandin-H2 D-isomerase, HPGDS, GSTS, PGDS, PTGDS2GSTS, PGD2, GSTS1-1.
Description	HPGDS Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 223 amino acids (1-199 a.a.) and having a molecular mass of 25.9kDa. HPGDS is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O60760
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSHPNYKL TYFNMRGRAE IIRYIFAYLD IQYEDHRIEQ ADWPEIKSTL PFGKPILEV DGLTLHQSLA IARYLTKNTD LAGNTEMEQC HVDAIVDTLD DFMSCFPWAE KKQDVKEQMF NELLTYNAPH LMQDLDTYLG GREWLIGNSV TWADFYWEIC STTLLVFKPD LLDNHPRLVT LRKKVQAIPA VANWIKRRPQ TKL.
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	HPGDS protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.15M NaCl and 1mM DTT. Greater than 95.0% 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**