9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-2762: PTGDS Recombinant Protein

Alternative Name :	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

Source : Escherichia Coli. 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. Prostaglandin-H2 D-isomerase (PTGDS) is a glutathione-independent prostaglandin D synthase which catalyzes the conversion of prostaglandin H2 (PGH2) to postaglandin D2 (PGD2). PTGDS is may have vital roles in both maturation and maintenance of the central nervous system and male reproductive system. PTGDS is the most abundant protein in the cerebral spinal fluid and recent evidence suggests that PTGDS acts as a beta-amyloid chaperone and may play a role in the deposition of Ab plaques in Alzheimer's disease.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	PTGDS solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol, 1mM EDTA and 0.1M NaCl.
Storage condition :	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.
Amino Acid :	MRGSHHHHHH GMASAPEAQV SVQPNFQQDK FLGRWFSAGL ASNSSWLREK KAALSMCKSV VAPATDGGLN LTSTFLRKNQ CETRTMLLQP AGSLGSYSYR SPHWGSTYSV SVVETDYDQY ALLYSQGSKG PGEDFRMATL YSRTQTPRAE LKEKFTAFCK AQGFTEDTIV FLPQTDKCMT EQ.

Application Note

It is recommended to reconstitute the lyophilized PTGDS in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.