

Datasheet for ABIN5710175

PTGDS Protein (AA 23-190) (His-SUMO Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	PTGDS
Protein Characteristics:	AA 23-190
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTGDS protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	APEAQSVQNP FQQDKFLGR WFSAGLASNS SWLREKKAAL SMCKSVVAPA TDGGLNLTST FLRKNQCETR TMLLPAGSL GSYSYRSPHW GSTYSVSVVE TDYDQYALLY SQGSKGPGED FRMATLYSRT QTPRAELKEK FTAFCQAQGF TEDTIVFLPQ TDKCMTEQ
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	PTGDS
Alternative Name:	PTGDS (PTGDS Products)
Background:	Catalyzes the conversion of PGH2 to PGD2, a prostaglandin involved in smooth muscle contraction/relaxation and a potent inhibitor of platelet aggregation. Involved in a variety of CNS

Target Details

functions, such as sedation, NR sleep and PGE2-induced allodynia, and may have an anti-apoptotic role in oligodendrocytes. Binds small non-substrate lipophilic molecules, including biliverdin, bilirubin, retinal, retinoic acid and thyroid hormone, and may act as a scavenger for harmful hydrophobic molecules and as a secretory retinoid and thyroid hormone transporter. Possibly involved in development and maintenance of the blood-brain, blood-retina, blood-aqueous humor and blood-testis barrier. It is likely to play important roles in both maturation and maintenance of the central nervous system and male reproductive system.

Molecular Weight: 34.69 kDa

UniProt: [P41222](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

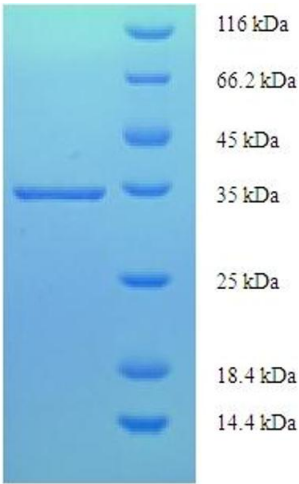
Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.