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Datasheet for ABIN7319328

HPGD Protein (His tag)

Overview

Quantity:	50 µg
Target:	HPGD
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPGD protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human 15-PGDH Protein (His Tag)
Sequence:	Met 1-Gln266
Characteristics:	Recombinant Human 15-Hydroxyprostaglandin Dehydrogenase [NAD(+)]/HPGD is produced by our Mammalian expression system and the target gene encoding Met1-Gln266 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	HPGD
Alternative Name:	15-PGDH (HPGD Products)
Background:	Background: 15-hydroxyprostaglandin dehydrogenase [NAD(+)], also known as Prostaglandin dehydrogenase 1, 15-PGDH, HPGD and PGDH1, belongs to the short-chain

Target Details

dehydrogenases/reductases (SDR) family. HPGD localizes to the cytoplasm and can be found in colon epithelium, existing as a homodimer. HPGD catalyzes the NAD-dependent dehydrogenation of lipoxin A4 to form 15-oxo-lipoxin A4. HPGD is down-regulated by cortisol, dexamethasone and betamethasone, up-regulated by TGFβ1. HPGD inhibits in vivo proliferation of colon cancer cells. HPGD is the key enzyme for the inactivation of prostaglandins, and thus regulates processes such as inflammation or proliferation.

Synonym: 15-Hydroxyprostaglandin Dehydrogenase [NAD(+)], 15-PGDH, Prostaglandin Dehydrogenase 1, HPGD, PGDH1,PGDH,PHOAR1,SDR36C1

Molecular Weight: 30.0 kDa

NCBI Accession: [NP_000851](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM HEPES,150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.