

## Product datasheet for **TP726924**

### Prostaglandin dehydrogenase 1 (HPGD) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human 15-PGDH/HPGD (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Gln266
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM HEPES, 150mM NaCl, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	3248
UniProt ID:	<a href="#">P15428</a>
Summary:	15-hydroxyprostaglandin dehydrogenase [NAD(+) ], also known as Prostaglandin dehydrogenase 1, 15-PGDH, HPGD and PGDH1, belongs to the short-chain 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 TGFB1. 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.



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