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32-7677: Recombinant Human 15-PGDH/HPGD (C-6His)

Gene : HPGD
Gene ID : 3248
Uniprot ID : P15428

Description

Source: Human Cells.
MW :30kD.
Recombinant Human 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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM HEPES,150mM NaCl,pH7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MHVNGKVALVTGAAQGIGRAFAEALLLKGAKVALVDWNLEAGVQCKAALDEQFEPQKTLFIQCDVADQQQLR DTFRKVVDHFGRLDILVNNAGVNNEKNWEKTLQINLVSVISGTYLGLDYMSKQNGGEGGIIINMSSLAGLMPVA QQPVYCASKHGIVGFTRSAALAANLMNSGVRLNAICPGFVNTAILESIEKEENMGQYIEYKDHIKDMIKYYGILDP PLIANGLITLIEDDALNGAIMKITTSKGIHFQDYDTTPFQAKTQVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

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