

Product datasheet for **TP304160M**

Prostaglandin dehydrogenase 1 (HPGD) (NM_000860) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human hydroxyprostaglandin dehydrogenase 15-(NAD) (HPGD), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC204160 protein sequence
Red=Cloning site **Green**=Tags(s)

MHVNGKVALVTGAAQIGRAFAEALLKLGAKVALVDWNLEAGVQCKAALDEQFEPQKTLFIQCDVADQQQ
LRDTRKVVDFHGRDLVNNAGVNNNEKNWEKTLQINLVSVISGTYLGLDYMSKQNGGEGGIINMSSLA
GLMPVAQQPVYCASKHGIVGFTRSAALANLMNSGVRLNAICPGFVNTAILESIEKEENMGQYIEYKDHI
KDMIKYYGILDPPLIANGILITLIEDDALNGAIMKITTSGIHFQDYDTTPFQAKTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 28.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_000851](#)

Locus ID: 3248



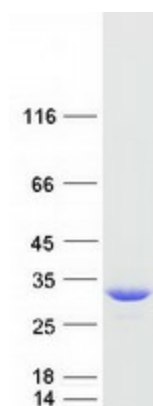
[View online »](#)

UniProt ID: [P15428](#)
RefSeq Size: 3044
Cytogenetics: 4q34.1
RefSeq ORF: 798
Synonyms: 15-PGDH; PGDH; PGDH1; PHOAR1; SDR36C1

Summary: This gene encodes a member of the short-chain nonmetalloenzyme alcohol dehydrogenase protein family. The encoded enzyme is responsible for the metabolism of prostaglandins, which function in a variety of physiologic and cellular processes such as inflammation. Mutations in this gene result in primary autosomal recessive hypertrophic osteoarthropathy and craniosteoarthropathy. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified HPGD protein (Cat# [TP304160]). The protein was produced from HEK293T cells transfected with HPGD cDNA clone (Cat# [RC204160]) using MegaTran 2.0 (Cat# [TT210002]).