

Product datasheet for PH304160

Prostaglandin dehydrogenase 1 (HPGD) (NM_000860) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HPGD MS Standard C13 and N15-labeled recombinant protein (NP_000851)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204160
Predicted MW:	29 kDa
Protein Sequence:	>RC204160 protein sequence Red=Cloning site Green=Tags(s) MHVNGKVALVTGAAQGI GRAFAEALLLKGAKVALVDWNLEAGVQCKAALDEQFEPQKTLFIQCDVADQQQ LRDTRFRKVVDFHGRDLILVNNAGV NNEKNWEKTLQINLVSVISGTYLGLDYMSKQNGGEGGIIINMSSLA GLMPVAQQPVY CASKHGI VGFTRSAALANLMNSGVRLNAICPGFVNTAILESIEKEENMGQYIEYKDHI KDMIKYYGILD PPLIANG LITLIEDDALNGAIMKITTSKGIHFQDYDTTPFQAKTQ TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000851
RefSeq Size:	3044
RefSeq ORF:	798
Synonyms:	15-PGDH; PGDH; PGDH1; PHOAR1; SDR36C1
Locus ID:	3248
UniProt ID:	P15428



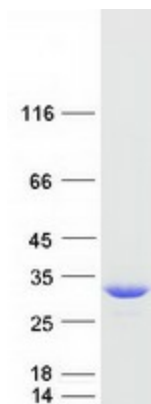
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Cytogenetics: 4q34.1

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 cranioosteoarthropathy. 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]).