

Product datasheet for PH301729

PGD (NM_002631) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PGD MS Standard C13 and N15-labeled recombinant protein (NP_002622)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201729
Predicted MW:	53.1 kDa
Protein Sequence:	>RC201729 protein sequence Red=Cloning site Green=Tags(s)
	<p>MAQADIALIGLAVMGQNLILNMNDHGFVVCANRTVSKVDDFLANEAKGTKVVGQAQSLKEMVSKLKKPRR IILLVKAGQAVDDFIEKLVPLLDTDGDIIDGGNSEYRDTTRRCRDLKAKGILFVSGVSGGEEGARYGPS LMPGGNKEAWPHIKTIFQGIAAKVGTGEPCCDWVGDGAGHFVKMVHNGIEYGDMQLICEAYHLMKDVLG MAQDEMAQAFEDWNKTELDSFLIEITANILKFQD TDGKHLLPKIRDSAGQKGTGKWTASALEYGVPTL IGEAVFARCLSSLKDERIQASKKLKGPQKFQFDGDKKSFLIEDIRKALYASKIISYAQGFMLLRQAATEFG WTLNYGGIALMWRGGCIIRSVFLGKIKDAFDRNPELQNL LDDFFKSAVENCQDSWRRVSTGVQAGIPM PCFTTALSFYDGYRHEMLPASLIQAQRDYFGAHTYELLAKPGQFIHTNWTGHGGTVSSSSYNA</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u>NP_002622</u>
RefSeq Size:	1937
RefSeq ORF:	1449
Synonyms:	6PGD



[View online »](#)

Locus ID: 5226

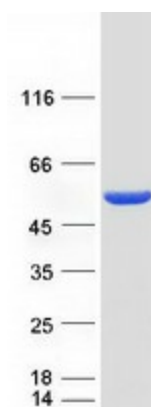
UniProt ID: [P52209](#)

Cytogenetics: 1p36.22

Summary: 6-phosphogluconate dehydrogenase is the second dehydrogenase in the pentose phosphate shunt. Deficiency of this enzyme is generally asymptomatic, and the inheritance of this disorder is autosomal dominant. Hemolysis results from combined deficiency of 6-phosphogluconate dehydrogenase and 6-phosphogluconolactonase suggesting a synergism of the two enzymopathies. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2015]

Protein Pathways: Glutathione metabolism, Metabolic pathways, Pentose phosphate pathway

Product images:



Coomassie blue staining of purified PGD protein (Cat# [TP301729]). The protein was produced from HEK293T cells transfected with PGD cDNA clone (Cat# [RC201729]) using MegaTran 2.0 (Cat# [TT210002]).