

## Product datasheet for PH300673

### PFKP (NM\_002627) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PFKP MS Standard C13 and N15-labeled recombinant protein (NP_002618)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200673
Predicted MW:	85.6 kDa
Protein Sequence:	>RC200673 protein sequence Red=Cloning site Green=Tags(s)
	<p>MDADDSRAPKGSRLRKFLEHL SGAGKAIGVLTSGGDAQGMNAAVRAVVRMGIYVGAKVYFYIEGYQGMVDG GSNIAEADWESVSSILQVGGTIIGSARCAFRTRREGRLKAACNLLQRGITNLCVIGGDSLTGANLFRKE WSGLLEELARNQIDKEAVQKYAYLNVVGMVGSIDNDFCGTDMTIGTDSALHRIIEVVDAIMTTAQSHQR TFVLEVMGRHCGYLALVSALACGADWVFLPESPPEEGWEEQMCVKLSENARAKRLNIIIVAEGAIDTQN KPITSEKIKELVVTQLGYDTRVTLGHVQRGGTPSAFDRILASRMGVEAVIALLEATPDTACVSVLNGN HAVRLPLMECVQMTQDVQKAMDERRFQDAVRLRGRSFAGNLNTYKRLAIKLPDDQIPKTNCAVINVGA PAAGMNAAVRSVAVRVGIADGHRMLAIYDGFDFAGKQIKEIGWTDVGGWTGQGSILGTRKRVLPKGYLEE IATQMRTHSINALLIIGGFAYLGLLELSAAREKHEEFCVPMVMVPATVSNVPGSDFSIGADTALNTIT DTCDRIKQSASGTRRVFIIETMGYCYLANMGGLAAGADAAYIFEFPDIRDLQSNVEHLTEKMKTTI QRGLVLRNESCSENYTTDFIYQLYSEEGKGVFDCRKNVLMGQQGGAPSPFDRNFGTKISARAMEWITAK LKEARGRGGKFTTDDSIKRVIFQPVAVELKKQTFEHRIPKEQWLLKLRPLMKILAKYKASYDV SDSGLEHVQPWSV</p> <p>SGP 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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_002618</a>



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RefSeq Size:	2657
RefSeq ORF:	2352
Synonyms:	ATP-PFK; PFK-C; PFK-P; PFKF
Locus ID:	5214
UniProt ID:	<a href="#">Q01813</a>
Cytogenetics:	10p15.2

**Summary:** This gene encodes a member of the phosphofructokinase A protein family. The encoded enzyme is the platelet-specific isoform of phosphofructokinase and plays a key role in glycolysis regulation. This gene may play a role in metabolic reprogramming in some cancers, including clear cell renal cell carcinomas, and cancer of the bladder, breast, and lung. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

**Protein Families:** Druggable Genome

**Protein Pathways:** Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway

### Product images:



Coomassie blue staining of purified PFKP protein (Cat# [TP300673]). The protein was produced from HEK293T cells transfected with PFKP cDNA clone (Cat# [RC200673]) using MegaTran 2.0 (Cat# [TT210002]).