

Product datasheet for PH309890

H6PD (NM_004285) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	H6PD MS Standard C13 and N15-labeled recombinant protein (NP_004276)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209890
Predicted MW:	88.9 kDa
Protein Sequence:	>RC209890 protein sequence Red=Cloning site Green=Tags(s)

MWNMLIVAMCLALLGCLQAQELQGHVSIILLGATGDLAKKYLWQGLFQLYLDEAGRGHSFSFHGAALTAP
KQGQELMAKALESLSCPMDAPSHCAEHKQFLQLSQYRQLKTAEDYQALNKDIEAQLQHAGLREAGRIF
YFSVPPFAYEDIARNINSSCRPGGAWLRVVLEKPFGHDHFSQQQLATELGTFQEEMRVDHYLGKQA
VAQILPFRDQNRKALDGLWNRHHVERVEIIMKETVDAEGRTSFYEEYGVIRDVLQNHLEVLTLVAMELP
HNVSSAEAVLRHKLQVFQALRGLQRGSVAVGQYQSYSEQVRRELQKPDFHSLTPTFAAVLVHIDNLRWE
GVPFILMSGKALDERVGYARILFKNQACCVQSEKHAAAAQSQCPLRQLVFHIGHDGSPAVLVSRNLF
PSLPSSWKEMEGPPLRFLFGSPLSDYYAYSPVQERDAHSVLLSHIFHGRKNFFITENLLASWNFWTPLL
ESLAHKAPRLYPGGAENGRLLDFEFSSGRLFFSQQPEQLVPGPGPAPMPSDFQVLRAKYRESPLVSAWS
EELISKLANDIEATAVRAVRRFGQFHLALSGGSSPVALFQQLATAHYGFPAWHTHLWLVDERCVPPLSDPE
SNFQGLQAHLLQHVRIPYYNIHPMPVHLQQLCAEEDQGAQIYAREISALVANSSFDLVLLGMGADGHTA
SLFPQSPGLDGEQLVVLTTSPSQPHRRMSLSLPLINRAKKVAVLVMGRMKREITTLVSRVGHPEKKWPI
SGVLPHSGQLVWYMDYDAFLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_004276



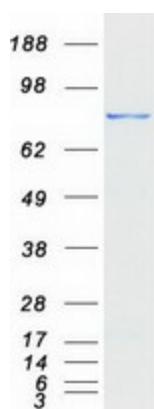
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RefSeq Size:	9117
RefSeq ORF:	2373
Synonyms:	CORTRD1; G6PDH; GDH; H6PDH
Locus ID:	9563
UniProt ID:	O95479
Cytogenetics:	1p36.22

Summary: There are 2 forms of glucose-6-phosphate dehydrogenase. G form is X-linked and H form, encoded by this gene, is autosomally linked. This H form shows activity with other hexose-6-phosphates, especially galactose-6-phosphate, whereas the G form is specific for glucose-6-phosphate. Both forms are present in most tissues, but H form is not found in red cells. [provided by RefSeq, Jul 2008]

Protein Pathways: Metabolic pathways, Pentose phosphate pathway

Product images:



Coomassie blue staining of purified H6PD protein (Cat# [TP309890]). The protein was produced from HEK293T cells transfected with H6PD cDNA clone (Cat# [RC209890]) using MegaTran 2.0 (Cat# [TT210002]).