

Product datasheet for **TP309890L**

H6PD (NM_004285) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase) (H6PD), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209890 protein sequence Red =Cloning site Green =Tags(s)

MWNMLIVAMCLALLGCLQAQELQGHVSIILGATGDLAKKYLWQGLFQLYLDEAGRGHSFSFHGAALTAP
KQGQELMAKALESLSCPKDMAPSHCAEHKDQFLQLSQYRQLKTAEDYQALNKDIEAQLQHAGLREAGRIF
YFSVPPFAYEDIARNINSSCRPGPGAWLRVLEKPFQGHDFSAQQLATELGTFFQEEEMYRVDHYLGKQA
VAQILPFRDQNRKALDGLWNRHHVERVEIIMKETVDAEGRTSFYEEYGVIRDVLQNHLETVLTLVAMELP
HNVSSAEAVLRHKLQVFQALRGLQRGSAVVGQYQSYSEQVRRELQKPDFSHSLTPTFAAVLVHIDNLRWE
GVPFILMSGKALDERVGYARILFKNQACCVQSEKHWAAAQSQCLPRQLVFHIGHGDLGSPAVLVSRLNFR
PSLPSSWKEMEGPPGLRFLFGSPLSDYYAYSPVQERDAHSVLLSHIFHGRKNFFITTENLLASWNFWTPLL
ESLAHKAPRLYPGGAENGRLLDFEFSSGRLFFSQQQPEQLVPGPGPAMPSPDFQVLRKYRESPLVSAWS
EELISKLANDIEATAVRVRRFGQFHLALS GGSSPVALFQQ LATAHYGFPWAHTHLWLVDERCVP LSDPE
SNFQGLQAHL LQHVRIPYYNIHPMPVHLQQLCAEEDQGAQIYAREISALVANSSFDLVLLGMGADGHTA
SLFPQSPTGLDGEQLVWLTTSPSQPHRRMSLSLPLINRAKKVAVLVMGRMKREITLVS RVGHEPKKWPI
SGVLPHSGQLVWYMDYDAFLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

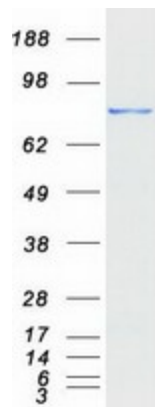
Tag:	C-Myc/DDK
Predicted MW:	88.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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_004276
Locus ID:	9563
UniProt ID:	O95479
RefSeq Size:	9117
Cytogenetics:	1p36.22
RefSeq ORF:	2373
Synonyms:	CORTRD1; G6PDH; GDH; H6PDH
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]).