

Product datasheet for PH308348

GLYCTK (NM_145262) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GLYCTK MS Standard C13 and N15-labeled recombinant protein (NP_660305)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208348
Predicted MW:	55.3 kDa
Protein Sequence:	>RC208348 protein sequence Red=Cloning site Green=Tags(s)

MAAALQVLPRLARAPLHPLLWRGSVARLASSMALAEQARQLFESAVGAVLPGPMLHRALSLDPGGRQLKV
RDRNFQLRQNL YLVGFGKAVLGMAAAEEELGQHLVQGVISVPGKIRAAMERAGKQEMLLKPHSRVQVFE
GAEDNLPDRDALRAALAIQQLAEGLTADDLLLVLISGGGSALLPAPIPPVTLEEKQTLTRLLAARGATIQ
ELNTRKALSQKGGGLAQAAYPQVVSILSDVVGDVPEVIASGPTVASSHNVDCLHILNRYGLRAAL
PRSVKTVLSRADSDPHGPHTCGHVLNVIIGSNVLALAEARQAEALGYQAVVLSAAMQGDVKSMAQFYGL
LAHVARTLTPSMAGASVEEDAQLHELAELQIPDLQLEEALETMAWGRGPVCLLAGGEPTVQLQSGRG
GRNQELALRVGAELRRWPLGPIDVLFLLSGGTGQDGPTEAAGAWVPELASQAAAEGLDIATFLAHNDSH
TFFCCLQGGAHLLHTGMTGTNVMTHLLFLRPR

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- 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:	NP_660305
RefSeq Size:	3798
RefSeq ORF:	1569



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Synonyms: HBeAgBP4A; HBEBP2; HBEBP4

Locus ID: 132158

UniProt ID: [Q8IVS8](#), [A1LQE8](#)

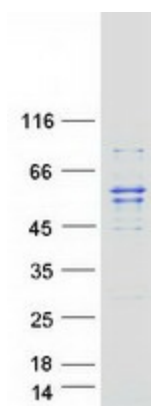
Cytogenetics: 3p21.2

Summary: This locus encodes a member of the glycerate kinase type-2 family. The encoded enzyme catalyzes the phosphorylation of (R)-glycerate and may be involved in serine degradation and fructose metabolism. Decreased activity of the encoded enzyme may be associated with the disease D-glyceric aciduria. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2009]

Protein Families: Transcription Factors

Protein Pathways: Glycerolipid metabolism, Glycine, serine and threonine metabolism, Glyoxylate and dicarboxylate metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified GLYCTK protein (Cat# [TP308348]). The protein was produced from HEK293T cells transfected with GLYCTK cDNA clone (Cat# [RC208348]) using MegaTran 2.0 (Cat# [TT210002]).