

## Product datasheet for **TP308348L**

### GLYCTK (NM\_145262) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glycerate kinase (GLYCTK), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208348 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAAALQVLPRLARAPLHPLLWRGVSARLASSMALAEQARQLFESAVGAVLPGPMLHRALSLDPGGRQLKV  
RDRNFQLRQNLVYLVGFGKAVLGMAAAEEELLGQHLVQGVISVPKGIRAAMERAGKQEMLLKPHSRVQVFE  
GAEDNLPDRDALRAALAIQQLAEGLTADDLLLVLISGGGSALLPAPIPPVTLEEKQTLRLLAARGATIQ  
ELNTIRKALSQKGGGLAQAAYPAQVSLILSDVVGDPVEVIASGPTVASSHNVDCLHILNRYGLRAAL  
PRSVKTVLSRADSDPHGPHTCGHVLNVIIGSNVLAALAEARQAEALGYQAVVLSAAMQGDVKSMQAFYGL  
LAHVARTRLTPSMAGASVEEDAQLHELAELQIPDLQLEEALETMAWGRGPVCLLAGGEPTVQLQGSGRG  
GRNQELALRVGAELRRWPLGPIDVLFSLGGTDGQDGPTAAGAWVTPELASQAAAEGLDIATFLAHNDSH  
TFFCCLQGGAHLLHTGMTGTNVMDTHLLFLRPR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	55.1 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.
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.



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RefSeq: [NP\\_660305](#)

Locus ID: 132158

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

RefSeq Size: 3798

Cytogenetics: 3p21.2

RefSeq ORF: 1569

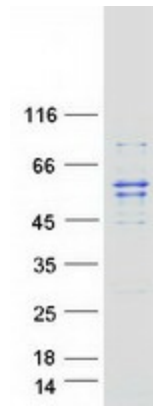
Synonyms: HBeAgBP4A; HBEBP2; HBEBP4

**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]).