

Product datasheet for **TP308348**

GLYCTK (NM_145262) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human glycerate kinase (GLYCTK), transcript variant 1, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC208348 protein sequence
Red=Cloning site **Green**=Tags(s)

MAAALQVLPRLARAPLHPLLWRGSVARLASSMALAEQARQLFESAVGAVLPGPMLHRALSLDPGGRQLKV
RDRNFQLRQNLVYLVGFGKAVLGMAAAAEELLGQHLVQGVISVPKGIRAAMERAGKQEMLLKPHSRVQVFE
GAEDNLPDRDALRAALAIQQLAEGLTADDLLLVLISGGGSALLPAPIPPVTLEEKQTLRLLAARGATIQ
ELNTRKALSQKGGGLAQAAYPAQVSLILSDVVGDPVEVIASGPTVASSHNVDCLHILNRYGLRAAL
PRSVKTVLSRADSDPHGPHTCGHVLNVIIGSNVLAALAEARQAEALGYQAVVLSAAMQGDVKMSMAQFYGL
LAHVARTRLTPSMAGASVEEDAQLHELAELQIPDLQLEEALETMAWGRGPVCLLAGGEPTVQLQGSGRG
GRNQELALRVGAELRRWPLGPIDVFLFSGGTDGQDGPTEAAGAWVTPELASQAAAEGLDIATFLAHNDSH
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](#)

RefSeq Size: 3798

Cytogenetics: 3p21.2

RefSeq ORF: 1569

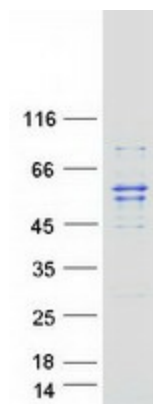
Synonyms: HBeAgBP4A; HBEBP2; HBEBP4

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]).