



Recombinant Human Glycerate kinase (GLYCTK)

Product Code	CSB-EP009563HU
Abbreviation	GLYCTK
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8IVS8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAAALQVLPR LARAPLHPLL WRGSVARLAS SMALAEQARQ LFESAVGAVL PGPMLHRALS LDPGGRQLKV RDRNFQLRQN LYLVGFGKAV LGMAAAAEEL LGQHLVQQVI SVPKGIRAAM ERAGKQEMLL KPHSRVQVFE GAEDNLPDRD ALRAALAIQQ LAEGLTADDL LLVLISGGGS ALLPAPIPPV TLEEKQTLTR LLAARGATIQ ELNTIRKALS QLKGGGLAQA AYP AQVVSLI LSDVVGDPVE VIASGPTVAS SHNVQDCLHI LNRYGLRAAL PRSVKTVLSR ADSDPHGPHT CGHVLNVIIG SNVLALAEAQ RQAEALGYQA VVLSAAMQGD VKSMAQFYGL LAHVARTRLT PSMAGASVEE DAQLHELAAE LQIPDLQLEE ALETMAWGRG PVCLLAGGEP TVQLQGSGRG GRNQELALRV GAELRRWPLG PIDVLFSSGG TDGQDGPTEA AGAWVTEPELA SQAAAEGLDI ATFLAHNDSH TFFCCLQGGA HLLHTGMTGT NVMDTHLLFL RPR
Source	E.coli
Target Names	GLYCTK
Protein Names	Recommended name: Glycerate kinase EC= 2.7.1.31 Alternative name(s): HBeAg-binding protein 4
Expression Region	1-523
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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