

Recombinant Full Length Human GLYCTK Protein, GST-tagged

Cat. No. GLYCTK-5365HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GLYCTK full-length ORF (NP_660305.2, 1 a.a. - 523 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	523 amino acids
Description	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]
Molecular Mass	81.7 kDa
AA Sequence	MAAALQVLPRLARAPLHPLLWRGSVARLASSMALAEQARQLFESAVGAVLPGPMLH RALS LDPGGRQLKVRDRNFQLRQNLVVGFGKAVLGMAAAAEELLGQHLVQGVISV PKGIRAAMERAGKQEMLLKPHSRVQVFEGAEDNLPDRDALRAALAIQQLAEGLTAD DLLLV LISGGGSALLPAPIPPVTLEEKQTLTRLLAARGATIQELN TIRKALS QLKGGGL AQAAYPAQVVS LILSDVVGDPVEVIASGPTVASSHNVQDCLHILNRYGLRAALPRSV KTVLSRADSDPHGPHTCGHVLNVIIGSNVLALAE AQRQAEALGYQAVVLSAAMQGD VKSMAQFYGLLAHVARTRLTPSMAGASVEEDAQLHELAAELQIPDLQLEEALETMA

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WGRGPVCLLAGGEPTVQLQGSGRGGRNQELALRVGAELRRWPLGPIDVLFLSGGT
 DGQDGPTEAAGAWVTPELASQAAAEGLDIATFLAHNDSHTFFCCLQGGAHLLHTGM
 TGTNVMDTHLLFLRPR

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GLYCTK glycerate kinase [Homo sapiens]

Official Symbol

GLYCTK

Synonyms

GLYCTK; glycerate kinase; HBEBP2; HBEBP4; HBeAg binding protein 4; HBeAg-binding protein 2; HBeAgBP4A;

Gene ID

132158

mRNA Refseq

NM_001144951

Protein Refseq

NP_001138423

MIM

610516

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UniProt ID

Q8IVS8

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