

Recombinant Human TK1 Protein, DDK-tagged

Cat. No. TK1-913H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TK1 fused with DDK tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a cytosolic enzyme that catalyzes the addition of a gamma-phosphate group to thymidine. This creates dTMP and is the first step in the biosynthesis of dTTP, which is one component required for DNA replication. The encoded protein, whose levels fluctuate depending on the cell cycle stage, can act as a low activity dimer or a high activity tetramer. High levels of this protein have been used as a biomarker for diagnosing and categorizing many types of cancers.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	27 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	TK1 thymidine kinase 1, soluble [Homo sapiens]
Official Symbol	TK1
Synonyms	TK1; thymidine kinase 1, soluble; thymidine kinase, cytosolic; thymidine kinase-1; thymidine kinase 1 soluble isoform; TK2;
Gene ID	7083
mRNA Refseq	NM_003258
Protein Refseq	NP_003249
MIM	188300
UniProt ID	P04183

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