

Recombinant Human TK1, His-tagged

Cat. No. TK1-31518TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Thymidine Kinase 1 protein with an N terminal His tag. Predicted MWt: 27 kDa;
Species	Human
Source	E.coli
Conjugation	HIS
Form	Lyophilised:Reconstitute with 135 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MSCINLPTVLPGPSKTRGQIQVILGPMFSGKSTELMRRV RRFQIAQYKCLVIKYAK DTRYSSSFCTHDRNTMEALPA CLLRDVAQEALGVAVIGIDEGQFFPDIVEFCEAMAN AGKTVIVAALDGTFRKPFGAILNLVPLAESVVKLTAVCMEC FREAAITKRLGTEKE VEVIGGADKYHSVCRLCYFKKAS GQPAGPDNKENCVPVPGKPGEAVAARKLFPAPQQ ILQCSPAN
Sequence Similarities	Belongs to the thymidine kinase family.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Full Length

Full L.

GENE INFORMATION

Gene Name

TK1 thymidine kinase 1, soluble [Homo sapiens]

Official Symbol

TK1

Synonyms

TK1; thymidine kinase 1, soluble; thymidine kinase, cytosolic;

Gene ID

7083

mRNA Refseq

NM_003258

Protein Refseq

NP_003249

MIM

188300

Uniprot ID

P04183

**Chromosome
Location**

17q23.2-q25.3

Pathway

Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; E2F transcription factor network, organism-specific biosystem; Fluoropyrimidine Activity, organism-specific biosystem; Metabolic pathways, organism-specific biosystem;

Function

ATP binding; kinase activity; metal ion binding; nucleoside kinase activity; nucleotide binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA