

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: NoneConstituents: 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 FREAA YTKRLGTEKE VEVIGGADKYHSVCRLCYFKKAS GQPAGPDNKENCVPVGKPGEAVAARKLFAPQQ ILQCSPAN
Sequence Similarities	Belongs to the thymidine kinase family.

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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;

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