Recombinant Human Tousled-like Kinase 2, GST-tagged, Active

Cat. No. TLK2-446H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TLK2 (388-end) was expressed by baculovirus in*Sf9*insect cells using an N-terminal GST tag. MW = 67 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	388-end a.a.
Description	TLK2 or Tousled-like kinase 2, is a nuclear serine/threonine kinases that is thought to be involved in the regulation of chromatin assembly. In addition, TLK2 is also involved in other cellular processes such as intracellular signaling cascade, protein amino acid phosphorylation, cell cycle, chromatin modification and in response to DNA damage stimulus. TLK2 displays maximal activity during S phase of the cell cycle where it appears to be regulated by cell-cycle-dependent phosphorylation. Inhibition of DNA replication causes a rapid loss of TLK2 activity, indicating that TLK2 function is tightly linked to ongoing DNA replication.
Sequence	388-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70℃. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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	performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	TLK2 tousled-like kinase 2 [Homo sapiens]
Synonyms	TLK2; tousled-like kinase 2; MGC44450; PKU-ALPHA; serine/threonine kinase; EC 2.7.11.1; PKU-alpha; Serine/threonine-protein kinase tousled-like 2
Gene ID	11011
mRNA Refseq	NM_001112707
Protein Refseq	NP_001106178
MIM	608439
UniProt ID	Q86UE8
Chromosome Location	17q23
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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