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TLK2 Protein (GST tag, His tag)





Overview

Quantity:	50 μg
Target:	TLK2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TLK2 protein is labelled with GST tag, His tag.

Product Details

Purpose:	Recombinant Human TLK2/PKU-ALPHA Protein (His&GST Tag)
Sequence:	Leu 397-Asn 772
Characteristics:	A DNA sequence encoding the amino acids (Leu 397-Asn 772) of human TLK2 (Q86UE8-1) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TLK2
Alternative Name:	TLK2/PKU-ALPHA (TLK2 Products)
Background:	Background: Serine / threonine-protein kinase tousled-like 2; also known as PKU-alpha; Tousled-
	like kinase 2 and TLK2; is a nucleus protein which belongs to the protein kinase superfamily and
	Ser/Thr protein kinase family. The tousled-like kinases are an evolutionarily conserved family of

proteins implicated in DNA repair; DNA replication and mitosis in metazoans and plants. Their absence from the yeasts and other eukaryotic 'microbes' suggests a specific role for them in the development of multicellular organisms. Tousled-like kinase 2 / TLK2 is widely expressed. It is present in fetal placenta; liver; kidney; pancreas; heart and skeletal muscle. It is also found in adult cell lines. Tousled-like kinase 2 / TLK2 contains one protein kinase domain. Tousled-like kinase 2 / TLK2 is rapidly and transiently inhibited by phosphorylation following the generation of DNA double-stranded breaks during S-phase. This is cell cycle checkpoint and ATM-pathway dependent and appears to regulate processes involved in chromatin assembly.

Synonym: HsHPK;PKU-ALPHA

Molecular Weight:

71.3 kDa

Application Details

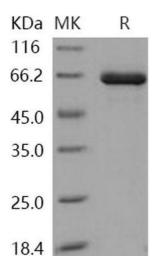
Restrictions:

For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, 0.5 mM PMSF, pH 8.0
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Images



Western Blotting

Image 1.