

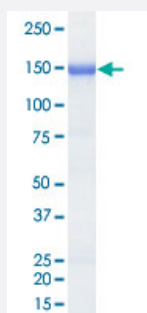
Bioactive

Full-Length

# TLK2 (Human) Recombinant Protein

Catalog # P5652      Size 5 ug

## Applications



## Result of activity analysis

Result of activity analysis

## Specification

<b>Product Description</b>	Human TLK2 (NP_006843.2, 1 a.a. - 750 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	112
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus infected insect cell (Sf21) expression system
<b>Purification</b>	Glutathione sepharose chromatography
<b>Purity</b>	94 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: Histone H3 peptide. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — TLK2

Entrez GeneID	<a href="#">11011</a>
Protein Accession#	<a href="#">NP_006843.2</a>
Gene Name	TLK2
Gene Alias	MGC44450, PKU-ALPHA
Gene Description	tousled-like kinase 2
Omim ID	<a href="#">608439</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The Tousled-like kinases, first described in Arabidopsis, are nuclear serine/threonine kinases that are potentially involved in the regulation of chromatin assembly.[supplied by OMIM]
Other Designations	serine/threonine kinase

## Disease

- [Adenocarcinoma](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Pancreatic Neoplasms](#)
- [Tobacco Use Disorder](#)