

Bioactive

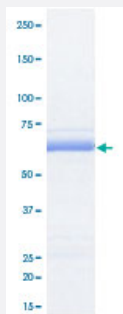
Full-Length

# TSSK2 (Human) Recombinant Protein

Catalog # P5807

Size 5 ug

## Applications



## Result of activity analysis

Result of activity analysis

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## Specification

<b>Product Description</b>	Human TSSK2 (Q96PF2, 1 a.a. - 358 a.a.) full-length recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	68
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus infected insect cell (Sf21) expression system
<b>Purification</b>	Glutathione sepharose chromatography
<b>Purity</b>	86 % by SDS-PAGE/CBB staining

<b>Activity</b>	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 LabChip3000. Substrate : GS peptide. ATP: 100 $\mu$ M.
<b>Quality Control Testing</b>	SDS-PAGE Stained with Coomassie Blue
<b>Storage Buffer</b>	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — TSSK2

<b>Entrez GeneID</b>	<a href="#">23617</a>
<b>Protein Accession#</b>	<a href="#">Q96PF2</a>
<b>Gene Name</b>	TSSK2
<b>Gene Alias</b>	DGS-G, FLJ38613, SPOGA2, STK22B
<b>Gene Description</b>	testis-specific serine kinase 2
<b>Omim ID</b>	<a href="#">610710</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	TSSK2 belongs to a family of serine/threonine kinases highly expressed in testis (Hao et al., 2004 [PubMed 15044604]).[supplied by OMIM]
<b>Other Designations</b>	serine/threonine kinase 22B (spermiogenesis associated) spermiogenesis associated 2 testis specific serine threonine kinase 2

## Disease

- [Azoospermia](#)
- [Oligospermia](#)