

Bioactive

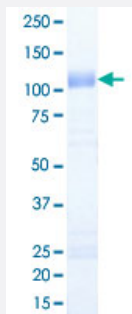
Full-Length

# TESK1 (Human) Recombinant Protein

Catalog # P5649

Size 5 ug

## Applications



## Result of activity analysis

Result of activity analysis

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## Specification

<b>Product Description</b>	Human TESK1 (NP_006276.2, 1 a.a. - 626 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	95
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus infected insect cell (Sf21) expression system
<b>Purification</b>	Glutathione sepharose chromatography
<b>Purity</b>	78 % by SDS-PAGE/CBB staining

Activity	The activity was determined by ELISA. The enzyme was incubated with GST-fused substrate protein, and after stopping kinase reaction by EDTA, the reaction solution was transferred into glutathione-coated plate. Phosphorylation was detected by anti-phospho antibody and HRP-labeled anti-rabbit IgG. Substrate: Cofilin2. 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 — TESK1

Entrez GeneID	<a href="#">7016</a>
Protein Accession#	<a href="#">NP_006276.2</a>
Gene Name	TESK1
Gene Alias	-
Gene Description	testis-specific kinase 1
Omim ID	<a href="#">601782</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene product is a serine/threonine protein kinase that contains an N-terminal protein kinase domain and a C-terminal proline-rich domain. Its protein kinase domain is most closely related to those of the LIM motif-containing protein kinases (LIMKs). The encoded protein can phosphorylate myelin basic protein and histone in vitro. The testicular germ cell-specific expression and developmental pattern of expression of the mouse gene suggests that this gene plays an important role at and after the meiotic phase of spermatogenesis. [provided by RefSeq]
Other Designations	OTTHUMP00000021332 testis specific kinase-1 testis-specific kinase-1 testis-specific protein kinase 1