Recombinant Human TESK1, GST-tagged

Cat. No. TESK1-7024H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human TESK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	TESK1 or testis-specific kinase 1 is a serine/threonine protein kinase that contains an N-terminal protein kinase domain and a C-terminal proline-rich domain which is most closely related to those of the LIM motif-containing protein kinases (LIMKs). TESK1 protein can phosphorylate myelin basic protein and histone in vitro and plays an important role at and after the meiotic phase of spermatogenesis. TESK1 is mainly expressed in testicular germ cells.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~106 kDa
Purity	>70%
Applications	Western Blot

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 μg/μl

GENE INFORMATION

Gene Name	TESK1 testis-specific kinase 1 [Homo sapiens]
Official Symbol	TESK1
Synonyms	TESK1; testis-specific kinase 1; dual specificity testis-specific protein kinase 1; testis specific kinase 1; testicular protein kinase 1;
Gene ID	7016
mRNA Refseq	NM_006285
Protein Refseq	NP_006276
MIM	601782
UniProt ID	Q15569
Chromosome Location	9p13
Pathway	Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-extracellular matrix interactions, organism-specific biosystem; Regulation of cytoskeletal remodeling and cell spreading by IPP complex components, organism-specific biosystem;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	ATP binding; metal ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA