

Recombinant Human TESK1 protein, His & T7-tagged

Cat. No. TESK1-8071H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TESK1 aa. (Phe57~Ile314 (Accession # Q15569)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe57~Ile314
Description	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. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 7.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	TESK1 testis-specific kinase 1 [Homo sapiens (human)]
Official Symbol	TESK1
Synonyms	testicular protein kinase 1; dual specificity testis-specific protein kinase 1
Gene ID	7016
mRNA Refseq	NM_001318230.1

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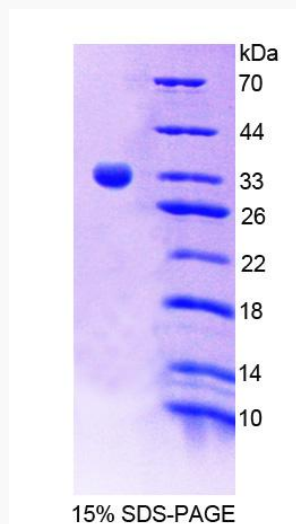
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Protein Refseq NP_001305159.1

UniProt ID Q15569

SDS-PAGE



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