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Product Information

TESK1, GST-tagged, human recombinant, expressed in *Sf*9 cells

Catalog Number **SRP5357**
Storage Temperature –70 °C

Synonym: testis-specific kinase 1

Product Description

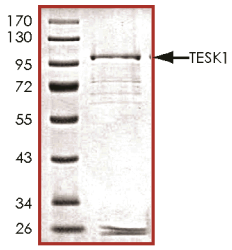
TESK1 (testis-specific kinase 1) is a serine/threonine protein kinase that contains an N-terminal protein kinase domain and a C-terminal proline-rich domain which is most closely related to those of the LIM motif-containing protein kinases (LIMKs). TESK1 protein can phosphorylate myelin basic protein 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.[1]

Recombinant full-length human TESK1 was expressed by baculovirus in *Sf*9 insect cells using an N-terminal GST-tag. The gene accession number is NM_006285. It is supplied in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~106 kDa

The enzymatic activity of this product has not been determined.

Figure 1.
SDS-PAGE Gel of Typical Lot:
≥70% (SDS-PAGE, densitometry)



Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at –70 °C is recommended. After opening, aliquot into smaller quantities and store at –70 °C. Avoid repeated handling and multiple freeze/thaw cycles.

References

1. Toshima, J. et al., Identification and characterization of a novel protein kinase, TESK1, specifically expressed in testicular germ cells. J. Biol. Chem., **270**, 31331-31337 (1995).

RC,MAM 10/12-1