

Recombinant human TSSK2 protein

Catalog Number: ATGP2293

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-358aa

UniProt No.

Q96PF2

NCBI Accession No.

NP_443732

Alternative Names

Testis-specific serine/threonine-protein kinase 2, DGS-G, SPOGA2, STK22B, TSK2

PRODUCT SPECIFICATION

Molecular Weight

43 kDa (381aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

TSSK2 is a testis-specific serine/threonine-protein kinase required during spermatid development. This protein phosphorylates TSKS at 'Ser-288' and SPAG16. TSSK2 involved in the late stages of spermatogenesis, during the reconstruction of the cytoplasm. During spermatogenesis, it is required for the transformation of a ring-shaped structure around the base of the flagellum originating from the chromatoid body. Recombinant human TSSK2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

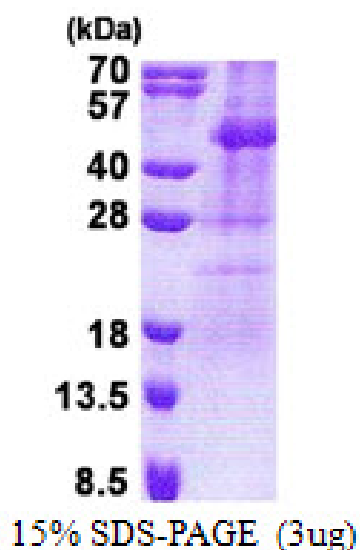
MGSSHHHHHH SSGLVPRGSH MGSMDATVL RKKGYIVGIN LGKGSYAKVK SAYSERLKFN VAVKIIDRKK TPTDFVERFL
PREMDILATV NHGSIKTYE IFETSDGRIY IIMELGVQGD LLEFIKCQGA LHEDVARKMF RQLSSAVKYC HDLDIVHRDL
KCENLLLDKD FNIKLSDFGF SKRCLRDSNG RIILSKTFCG SAAYAAPEVL QSIPYQPKVY DIWSLGVILY IMVCGSMPYD
DSDIRKMLRI QKEHRVDFPR SKNLTCECKD LIYRMLQPDV SQRLHIDEIL SHSWLQPPKP KATSSASFKR EGEGKYRAEC
KLDTKTGLRP DHRPDHKLGA KTQHRLLVVP ENENRMEDRL AETSRAKDHH ISGAEVGKAS T

General References

Kueng P, Nikolova Z, et al. (1997). J Cell Biol. 139(7):1851-9.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.