

### Recombinant human TSSK2 protein ab70075

画像数 3

#### 製品の詳細

製品名	Recombinant human TSSK2 protein
精製度	> 90 % SDS-PAGE. Affinity purified.
発現系	Baculovirus infected Sf9 cells
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human

#### 特性

Our **Abpromise guarantee** covers the use of **ab70075** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Functional Studies
	SDS-PAGE

製品の状態	Liquid
-------	--------

備考	<b>ab64311</b> (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity
----	--

#### 前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
------------	--

#### 関連情報

機能	Testis-specific serine/threonine-protein kinase required during spermatid development.
----	--

Phosphorylates TSKS at 'Ser-288' and SPAG16. Involved in the late stages of spermatogenesis, during the reconstruction of the cytoplasm. During spermatogenesis, required for the transformation of a ring-shaped structure around the base of the flagellum originating from the chromatoid body.

#### 組織特異性

Testis-specific. Present in mature spermatozoa (at protein level).

#### 配列類似性

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.  
Contains 1 protein kinase domain.

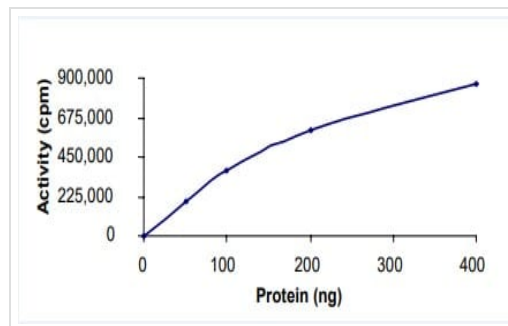
#### 翻訳後修飾

Autophosphorylated.

#### 細胞内局在

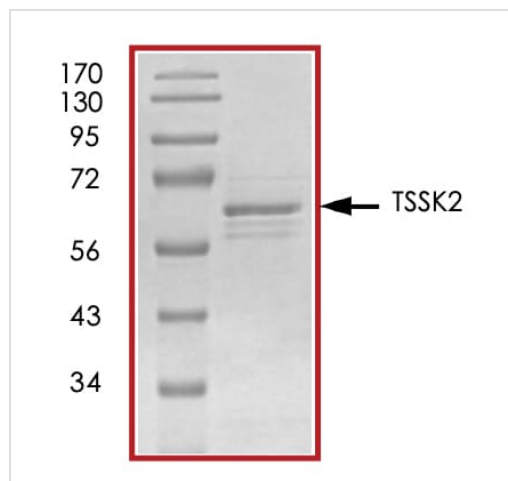
Cytoplasm. Cytoplasm > cytoskeleton > centrosome > centriole. Present in the cytoplasm of elongating spermatids. In spermatozoa, localizes in the equatorial segment, neck, the midpiece and in a specific sperm head compartment (By similarity). In spermatids, concentrates in centrioles during flagellogenesis.

## 画像



The specific activity of TSSK2 (ab70075) was determined to be 136 nmol /min/mg as per activity assay protocol.

Functional Studies - Recombinant human TSSK2 protein (ab70075)



SDS PAGE analysis of ab70075

SDS-PAGE - Recombinant human TSSK2 protein (ab70075)



SDS-PAGE of ab70075. Molecular weight 66kDa.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors