

Datasheet for ABIN3075120
TSSK6 Protein (AA 1-273) (Strep Tag)



[Go to Product page](#)

Overview

Quantity:	0.5 mg
Target:	TSSK6
Protein Characteristics:	AA 1-273
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSSK6 protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), ELISA, Western Blotting (WB)

Product Details

Sequence:	<p>MSGDKLLSEL GYKLGRTIGE GSYSKVKVAT SKKYKGTVAI KVVDRRRAPP DFNKFLPRE LSILRGVRHP HIVHVFIE VCNGKLYIVM EAAATDLLQA VQRNGRIPGV QARDLFAQIA GAVRYLHDHH LVHRDLKCN VLLSPDERRV KLDFGFGRQ AHGYPDSTT YCGSAAYASP EVLLGIPYDP KKYDVWSMGV VLYVMVTGCM PFDDSDIAGL PRRQKRGVLY PEGLELSERC KALIAELLQF SPSARPSAGQ VARNCWLRAG DSG</p> <p>Sequence without tag. The proposed Strep-Tag is based on experience with the expression system. Our team may suggest an additional tag depending on the complexity of the protein. If you have a special request, please contact us..</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made in Germany - from design to production - by highly experienced protein experts.• Protein expressed with ALiCE® and purified in one-step affinity chromatography• State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a predefined custom protein and will be made for the first time for your order.

Our experts in the lab try to ensure that you receive soluble protein.

The big advantage of ordering our predefined custom proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).
Purity:	approximately 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	TSSK6
Alternative Name:	TSSK6 (TSSK6 Products)
Background:	Testis-specific serine/threonine-protein kinase 6 (TSK-6) (TSSK-6) (Testis-specific kinase 6) (EC 2.7.11.1) (Cancer/testis antigen 72) (CT72) (Serine/threonine-protein kinase SSK) (Small serine/threonine kinase),FUNCTION: Required for sperm production and function. Plays a role

Target Details

in DNA condensation during postmeiotic chromatin remodeling (By similarity).
{ECO:0000250|UniProtKB:Q925K9, ECO:0000269|PubMed:15870294}.

Molecular Weight: 30.3 kDa

UniProt: [Q9BXA6](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Comment: ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.

During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.
Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months