

Datasheet for ABIN3093306

KANSL1 Protein (AA 1-1105) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	KANSL1
Protein Characteristics:	AA 1-1105
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This KANSL1 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MAAMAPALTD AA AEAHIRF KLAPPSSTLS PGSAENNGNA NILIAANGTK RKAIAAEDPS LDFRNNPTKE DLGKLQPLVA SYLCSDVTSV PSKESLKLQG VFSKQTVLKS HPLLSQSYEL RAELLGRQPV LEFSLENLRT MNTSGQTALP QAPVNGLAKK LTKSSTHSDH DNSTSLNGGK RALTSSALHG GEMGGSESGD LKGGMTNCTL PHRSLDVEHT TLYSNNSTAN KSSVNSMEQP ALQGSSRLSP GTDSSSNLGG VKLEGKKSPL SSILFSALDS DTRITALLRR QADIESRARR LQKRLQVVQA KQVERHIHQ LGGFLEKTLS KLPNLESLRP RSQLMLTRKA EAALRKAASE TTTSEGLSNF LKSNSISEEL ERFTASGIAN LRCSEQAFDS DVTDSSSSGGE SDIEEEELTR ADPEQRHVPL RRRSEWKWAA DRAAIVSRWN WLQAHVSDLE YRIRQQTDIY KQIRANKGLI VLGEVPPPEH TTDLFLPLSS EVKTDHGTDK LIESVSQPLE NHGAPIIGHI SESLSTKSCG ALRPVNGVIN TLQPV LADHI PGDSSDAEEQ LHKQRLNLV SSSSDGTCVA ARTRPVL SCK KRRLVRPNSI VPLSKKVHRN STIRPGCDVN PSCALCGSGS INTMPPEIHY EAPLLERLSQ

LDSCVHPVLA FPDDVPTSLH FQSM LKSQWQ NKPFDKIKPP KKLSLKHRAP MPGSLPDSAR
KDRHKLVS SF LTTAKLSHHQ TRPDRTHRQH LDDVGAVPMV ERVTAPKAER LLNPPPPVHD
PNH SKMRLRD HSSERSEVLK HHTDMSSSSY LAATHHPPHS PLVRQLSTSS DSPAPASSSS
QV TASTSQQP VRRRRRGESSF DINNIVIPMS VAATTRVEKL QYKEILTPSW REV DLQSLKG
SPDEENEEIE DLSDAAFAAL HAKCEEMERA RWLWTTSVPP QRRGSR SYRS SDGR TTPQLG
SANPSTPQPA SPDVSSSHSL SEYSHGQSPR SPISELHSA PLTPVARDTP RHLASE DTRC
STPELGLDEQ SVQPWERRTF PLAHSPQAEC EDQLDAQERA ARCTRRTSGS KTGRETEAAP
TSPPIVPLKS RHLVAAATAQ RPTHR

Sequence without tag. The proposed Strep-Tag is based on experience s with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a **made-to-order 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 **made-to-order 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:

Product Details

- 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: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade: custom-made

Target Details

Target: KANSL1

Alternative Name: KANSL1 ([KANSL1 Products](#))

Background: KAT8 regulatory NSL complex subunit 1 (MLL1/MLL complex subunit KANSL1) (MSL1 homolog 1) (hMSL1v1) (NSL complex protein NSL1) (Non-specific lethal 1 homolog),FUNCTION: As part of the NSL complex it is involved in acetylation of nucleosomal histone H4 on several lysine residues and therefore may be involved in the regulation of transcription. {ECO:0000269|PubMed:20018852, ECO:0000269|PubMed:22547026}.

Molecular Weight: 121.0 kDa

UniProt: [Q7Z3B3](#)

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.

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Application Details

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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