Datasheet for ABIN3095306

SCAPER Protein (AA 1-1400) (Strep Tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	SCAPER (ZNF291)
Protein Characteristics:	AA 1-1400
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SCAPER protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Sequence:	MMASFQRSNS HDKVRRIVAE EGRTARNLIA WSVPLESKDD DGKPKCQTGG KSKRTIQGTH KTTKQSTAVD CKITSSTTGD KHFDKSPTKT RHPRKIDLRA RYWAFLFDNL RRAVDEIYVT CESDQSVVEC KEVLMMLDNY VRDFKALIDW IQLQEKLEKT DAQSRPTSLA WEVKKMSPGR HVIPSPSTDR INVTSNARRS LNFGGSTGTV PAPRLAPTGV SWADKVKAHH TGSTASSEIT PAQSCPPMTV QKASRKNERK DAEGWETVQR GRPIRSRSTA VMPKVSLATE ATRSKDDSDK ENVCLLPDES IQKGQFVGDG TSNTIESHPK DSLHSCDHPL AEKTQFTVST LDDVKNSGSI RDNYVRTSEI SAVHIDTECV SVMLQAGTPP LQVNEEKFPA EKARIENEMD PSDISNSMAE VLAKKEELAD RLEKANEEAI ASAIAEEEQL TREIEAEENN DINIETDNDS DFSASMGSGS VSFCGMSMDW NDVLADYEAR ESWRQNTSWG DIVEEEPARP PGHGIHMHEK LSSPSRKRTI AESKKKHEEK QMKAQQLREK LREEKTLKLQ KLLEREKDVR KWKEELLDQR RRMMEEKLLH AEFKREVQLQ AIVKKAQEEE AKVNEIAFIN TLEAQNKRHD VLSKLKEYEQ RLNELQEERQ RRQEEKQARD EAVQERKRAL EAERQARVEE LLMKRKEQEA RIEQQRQEKE KAREDAARER

ARDREERLAA LTAAQQEAME ELQKKIQLKH DESIRRHMEQ IEQRKEKAAE LSSGRHANTD YAPKLTPYER KKQCSLCNVL ISSEVYLFSH VKGRKHQQAV RENTSIQGRE LSDEEVEHLS LKKYIIDIVV ESTAPAEALK DGEERQKNKK KAKKIKARMN FRAKEYESLM ETKNSGSDSP YKAKLQRLAK DLLKQVQVQD SGSWANNKVS ALDRTLGEIT RILEKENVAD QIAFQAAGGL TALEHILQAV VPATNVNTVL RIPPKSLCNA INVYNLTCNN CSENCSDVLF SNKITFLMDL LIHQLTVYVP DENNTILGRN TNKQVFEGLT TGLLKVSAVV LGCLIANRPD GNCQPATPKI PTQEMKNKPS QGDPFNNRVQ DLISYVVNMG LIDKLCACFL SVQGPVDENP KMAIFLQHAA GLLHAMCTLC FAVTGRSYSI FDNNRQDPTG LTAALQATDL AGVLHMLYCV LFHGTILDPS TASPKENYTQ NTIQVAIQSL RFFNSFAALH LPAFQSIVGA EGLSLAFRHM ASSLLGHCSQ VSCESLLHEV IVCVGYFTVN HPDNQVIVQS GRHPTVLQKL CQLPFQYFSD PRLIKVLFPS LIAACYNNHQ NKIILEQEMS CVLLATFIQD LAQTPGQAEN QPYQPKGKCL GSQDYLELAN RFPQQAWEEA RQFFLKKEKK

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

Product Details

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

Target Details

Target:	SCAPER (ZNF291)
Alternative Name:	SCAPER (ZNF291 Products)
Background:	S phase cyclin A-associated protein in the endoplasmic reticulum (S phase cyclin A-associated protein in the ER) (Zinc finger protein 291),FUNCTION: CCNA2/CDK2 regulatory protein that transiently maintains CCNA2 in the cytoplasm. {ECO:0000269|PubMed:17698606}.
Molecular Weight:	158.3 kDa
UniProt:	Q9BY12

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

Application Details

	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. If you have a special request, please contact us.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	Unlimited (if stored properly)

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