

Datasheet for ABIN3082465

KRTAP4-8 Protein (AA 1-185) (Strep Tag)



Go to Product page

_						
	V	\triangle	r۱	/1	\triangle	Λ/
	' V '		ΙV			v v

1 mg
KRTAP4-8
AA 1-185
Human
Cell-free protein synthesis (CFPS)
Recombinant
This KRTAP4-8 protein is labelled with Strep Tag.
ELISA, SDS-PAGE (SDS), Western Blotting (WB)
AliCE®
AliCE® MVNSCCGSVC SDQGCGQDLC QETCCCPSCC QTTCCRTTCY RPSYSVSCCC RPQCCQSVCC
MVNSCCGSVC SDQGCGQDLC QETCCCPSCC QTTCCRTTCY RPSYSVSCCC RPQCCQSVCC
MVNSCCGSVC SDQGCGQDLC QETCCCPSCC QTTCCRTTCY RPSYSVSCCC RPQCCQSVCC QPTCCRPSCC VSSCCKPQCC QSVCCQPTCC HPSCCISSCC RPSCCVSSCC KPQCCQSVCC
MVNSCCGSVC SDQGCGQDLC QETCCCPSCC QTTCCRTTCY RPSYSVSCCC RPQCCQSVCC QPTCCRPSCC VSSCCKPQCC QSVCCQPTCC HPSCCISSCC RPSCCVSSCC KPQCCQSVCC QPNCCRPSCS ISSCCRPSCC ESSCCRPCCC LRPVCGRVSC HTTCYRPACV ISTCPRPVCC ASSCC
MVNSCCGSVC SDQGCGQDLC QETCCCPSCC QTTCCRTTCY RPSYSVSCCC RPQCCQSVCC QPTCCRPSCC VSSCCKPQCC QSVCCQPTCC HPSCCISSCC RPSCCVSSCC KPQCCQSVCC QPNCCRPSCS ISSCCRPSCC ESSCCRPCCC LRPVCGRVSC HTTCYRPACV ISTCPRPVCC ASSCC Sequence without tag. The proposed Strep-Tag is based on experience s with the expression
MVNSCCGSVC SDQGCGQDLC QETCCCPSCC QTTCCRTTCY RPSYSVSCCC RPQCCQSVCC QPTCCRPSCC VSSCCKPQCC QSVCCQPTCC HPSCCISSCC RPSCCVSSCC KPQCCQSVCC QPNCCRPSCS ISSCCRPSCC ESSCCRPCCC LRPVCGRVSC HTTCYRPACV ISTCPRPVCC ASSCC 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
MVNSCCGSVC SDQGCGQDLC QETCCCPSCC QTTCCRTTCY RPSYSVSCCC RPQCCQSVCC QPTCCRPSCC VSSCCKPQCC QSVCCQPTCC HPSCCISSCC RPSCCVSSCC KPQCCQSVCC QPNCCRPSCS ISSCCRPSCC ESSCCRPCCC LRPVCGRVSC HTTCYRPACV ISTCPRPVCC ASSCC 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.
MVNSCCGSVC SDQGCGQDLC QETCCCPSCC QTTCCRTTCY RPSYSVSCCC RPQCCQSVCC QPTCCRPSCC VSSCCKPQCC QSVCCQPTCC HPSCCISSCC RPSCCVSSCC KPQCCQSVCC QPNCCRPSCS ISSCCRPSCC ESSCCRPCCC LRPVCGRVSC HTTCYRPACV ISTCPRPVCC ASSCC 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. Key Benefits:

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 posttranslational 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:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made
Target Details	

Target Details

Target:	KRTAP4-8
Alternative Name:	KRTAP4-8
Background:	Keratin-associated protein 4-8 (Keratin-associated protein 4.8) (Ultrahigh sulfur keratin-

rarget Details	
	associated protein 4.8),FUNCTION: In the hair cortex, hair keratin intermediate filaments are
	embedded in an interfilamentous matrix, consisting of hair keratin-associated proteins
	(KRTAP), which are essential for the formation of a rigid and resistant hair shaft through their
	extensive disulfide bond cross-linking with abundant cysteine residues of hair keratins. The
	matrix proteins include the high-sulfur and high-glycine-tyrosine keratins.
Molecular Weight:	19.6 kDa
UniProt:	Q9BYQ9
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 product
	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.

-80 °C

Store at -80°C.

12 months

Storage:

Expiry Date:

Storage Comment: