antibodies - online.com







ACN9 Protein (AA 31-125) (His tag)



Image



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Quantity:	1 mg
Target:	ACN9
Protein Characteristics:	AA 31-125
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ACN9 protein is labelled with His tag.
Application:	ELISA, Crystallization (Crys), SDS-PAGE (SDS), Western Blotting (WB)
Product Details	
Sequence:	GDQYVKDEFR RHKTVGPGEA QRFLKEWETY AAVLWQQAED SRQSSTGKAC FGTSLPEEKL
	NDFRDEQIGQ LQELMQEATK PNRQFSITES TKPQL
	Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a
	special request, please contact us.
Characteristics:	
Characteristics:	special request, please contact us.
Characteristics:	 special request, please contact us. Made in Germany - from design to production - by highly experienced protein experts. Mouse Sdhaf3 Protein (raised in E. Coli) purified by multi-step, protein-specific process to ensure crystallization grade.
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Characteristics:	 special request, please contact us. Made in Germany - from design to production - by highly experienced protein experts. Mouse Sdhaf3 Protein (raised in E. Coli) purified by multi-step, protein-specific process to ensure crystallization grade. 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

cannot be expressed or purified.

In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization).

When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered. The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer.

The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.

Purification:

Two step purification of proteins expressed in bacterial culture:

- 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.
- 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.

Purity:

>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.

Sterility:

0.22 µm filtered

Endotoxin Level:

Endotoxin has not been removed. Please contact us if you require endotoxin removal.

Grade:

Crystallography grade

Target Details

Target:	ACN9
Alternative Name:	Sdhaf3 (ACN9 Products)
Background:	Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex
	(also referred to as respiratory complex II) that is a component of both the tricarboxylic acid
	(TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of
	succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Promotes
	maturation of the iron-sulfur protein subunit Sdhb of the SDH catalytic dimer, protecting it from

Target Details

Expiry Date:

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	the deleterious effects of oxidants. May act together with SDHAF1.
	{ECO:0000250 UniProtKB:Q04401, ECO:0000250 UniProtKB:Q8SZ16}.
Molecular Weight:	11.9 kDa Including tag.
UniProt:	Q8BQU3
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 gurantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.

Unlimited (if stored properly)

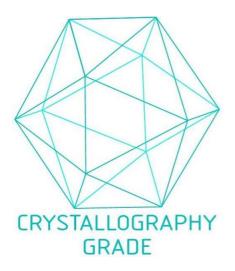


Image 1. "Crystallography Grade" protein due to multi-step, protein-specific purification process