

Datasheet for ABIN3076239

ZC3H12C Protein (AA 1-883) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	ZC3H12C
Protein Characteristics:	AA 1-883
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZC3H12C protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	<p>MPGGGSQEYG VLCIQEYRKN SKVESSTRNN FMGLKDHLGH DLGHLYVEST DPQLSPAVPW</p> <p>STVENPSMDT VNVGKDEKEA SEENASSGDS EENTNSDHES EQLGSISVEP GLITKTHRQL</p> <p>CRSPCLEPHI LKRNEILQDF KPEESQTTSK EAKKPPDVVR EYQTKLEFAL KLGYSSEEVQ</p> <p>LVLNKLGTDA LINDILGELV KLGNKSEADQ TVSTINTITR ETSSLESQRS ESPMQEIVTD</p> <p>DGENLRPIVI DGSNVAMSHG NKEVFSCRG I KLAVDWFLER GHKDITVFVP AWRKEQSRPD</p> <p>ALITDQEILR KLEKEKILVF TPSRRVQGR VVCYDDRFIV KLA FESDGII VSDNYRDLA</p> <p>NEKPEWKKFI DERLLMYSFV NDKFMPDDP LGRHGPSLDN FLRKKPIVPE HKKQPCPYGK</p> <p>KCTYGHKCKY YHPERGSQPQ RSVADELRAM SRNTAAKTAN EGGLVKSNSV PCSTKADSTS</p> <p>DVKRGAPKRQ SDPSIRTQVY QDLEEKLPK NKLETRSVPS LVSIPATSTA KPQSTTSLSN</p> <p>GLPSGVHFPP QDQRPQGQYP SMMMATKNHG TPMPYEQYPK CDSPVDIGYY SMLNAYSNLS</p> <p>LSGPRSPERR FSLDTDYRIS SVASDCSSEG SMSCGSSDSY VGYNDRSYVS SPDPQLEENL</p>

KCQHMHPHSR LNPQPFLQNF HDPLTRGQSY SHEEPKFHHK PPLPHLALHL PHSAVGARSS
CPGDYSPSPS SAHSKAPHLG RSLVATRIDS ISDSRLYDSS PSRQRKPYSR QEGLGSWERP
GYGIDAYGYR QTYSLPDNST QPCYEQFTFQ SLPEQQEPAW RPYCGMPQD PPRYQDNREK
IYINLCNIFP PDLVRIVMKR NPHMTDAQQL AAAILVEKSQ LGY

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:

- 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.

Product Details

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

Target:	ZC3H12C
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Alternative Name:	ZC3H12C (ZC3H12C Products)
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Background:	Probable ribonuclease ZC3H12C (EC 3.1.-.-) (MCP-induced protein 3) (Zinc finger CCCH domain-containing protein 12C),FUNCTION: May function as RNase and regulate the levels of target RNA species. {ECO:0000305}.
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Molecular Weight:	99.3 kDa
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UniProt:	Q9C0D7
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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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Comment:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> 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.</p> <p>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!</p>
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Handling

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