

Datasheet for ABIN3089168

**ANKRD30A Protein (AA 1-1397) (Strep Tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	1 mg
Target:	ANKRD30A
Protein Characteristics:	AA 1-1397
Origin:	Human
Source:	Tobacco (Nicotiana tabacum)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ANKRD30A protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Sequence:	MEEISAAVK VVGPSPERFSP FSQLVYTSND SYIVHSGDLR KIHKAASRGQ VRKLEKMTKR KKTINLNIQD AQKRTALHWA CVNGHEEVVT FLVDRKCQLD VLDGEHRTPL MKALQCHQEA CANILIDSGA DINLVDVYGN TALHYAVYSE ILSVAKLLS HGAVIEVHNK ASLTPLLLSI TKRSEQIVEF LLIKNANANA VNKYKCTALM LAVCHGSSEI VGMLLQQNVD VFAADICGVT AEHYAVTCGF HHIHEQIMEY IRKLSKNHQN TNPEGTSAGT PDEAAPLAER TPDTAESLVE KTPDEAAPLV ERTPDTAESL VEKTPDEAAS LVEGTSKIQ CLEKATSGKF EQSAEETPRE ITSPAKETSE KFTWPAKGRP RKIAWEKKED TPREIMSPAK ETSEKFTWAA KGRPRKIAWE KKETPVKTGC VARVTSNKT VLEKGRSKMI ACPTKESSTK ASANDQRFPS ESKQEEDEEY SCDSRSLFES SAKIQVCIPE SIYQKVMEIN REVEEPPKKP SAFKPAIEMQ NSVPNKAFEL KNEQTLRADP MFPPESKQKD YEENSWDSES LCETVSQKDV CLPKATHQKE IDKINGKLEE SPNKDGLLKA TCGMKVSIPT KALELKDMQT FKAEPGPKPS AFEPATEMVK SVPNKALELK NEQTLRADEI LPSESKQKDY EENSWDTESE CETVSQKDV LPKAAHQKEI DKINGKLEGS
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PVKDGLLKAN CGMKVSIPTK ALELMDMQTF KAEPPEKPSA FEPAIEMQKS VPNKALELKN  
EQTLRADEIL PSESKQKDYE ESSWDESLC ETVSQKDVCL PKATHQKEID KINGKLEESP  
DNDGFLKAPC RMKVSIPKA LELMDMQTFK AEPPEKPSAF EPAIEMQKSV PNKALELKNE  
QTLRADQMFP SESKQKKVEE NSWDESLRE TVSQKDVCLP KATHQKEMDK ISGKLEDSTS  
LSKILDTVHS CERARELQKD HCEQRTGKME QMKKKFCVLK KKLSEAKEIK SQLENQKVKW  
EQELCSVRLT LNQEEERRRN ADILNEKIRE ELGRIEEQHR KELEVKKQLE QALRIQDIEL  
KSVESNLNQV SHTHENENYL LHENCMLKKE IAMLKLEIAT LKHQYQEKEN KYFEDIKILK  
EKNAELQMTL KLKEESLTKR ASQYSGQLKV LIAENTMLTS KLKEQDKEI LEAEIESHHP  
RLASAVQDHD QIVTSRKSQE PAFHIAGDAC LQRKMNVDS STIYNNEVLH QPLSEAQRKS  
KSLKINLNYA GDALRENTLV SEHAQRDQRE TQCQMKEAEH MYQNEQDNVN KHTEQQESLD  
QKLFQLQSKN MWLQQQLVHA HKKADNLSKI TIDIHFLERK MQHHLLKEKN EEIFNYYNNHL  
KNRIYQYEKE KAETENS

**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.**

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### Characteristics:

#### Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified by multi-step, protein-specific process to ensure correct folding and modification.
- 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 will ensure that you receive a correctly folded 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

## Product 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!

### Concentration:

- 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.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:	Two step purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®):  1. In a first purification step, the protein is purified from the cleared cell lysate using StrepTag capture material. 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:	>80 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Endotoxin Level:	Low Endotoxin less than 1 EU/mg (< 0.1 ng/mg)
Grade:	Crystallography grade

## Target Details

Target:	ANKRD30A
Alternative Name:	ANKRD30A ( <a href="#">ANKRD30A Products</a> )
Background:	Ankyrin repeat domain-containing protein 30A (Serologically defined breast cancer antigen NY-BR-1)
Molecular Weight:	158.8 kDa
UniProt:	<a href="#">Q9BXX3</a>

## 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

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>
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)

## Images



**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process