

Datasheet for ABIN3136990

## ARIP4 Protein (AA 1-1466) (Strep Tag)



[Go to Product page](#)

### Overview

Quantity:	250 µg
Target:	ARIP4 (RAD54L2)
Protein Characteristics:	AA 1-1466
Origin:	Mouse
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARIP4 protein is labelled with Strep Tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB), ELISA

### Product Details

Brand:	AliCE®
Sequence:	<p>MSDESASGSD PDLDPDVELE DEEEEEEEEE VAVEEHDRDD EEGLLDDTSL EGMCGTEHAQ</p> <p>LGEDGQRPPR CTSTTSSQSE PSEQLRHQ GK ILASEDPKKK RAQKPSHMRR NIRKLLREDQ</p> <p>LDPVTKAAQ EELERRKRLE QQRKEYAAPI PTVPLEFLPE EIVLRASDGP QLPPRVLAQE</p> <p>VICLDSSSGS EDEKSSRDEV IELSSGEEDT LHIVDSSSESV SEEDEEEEKG GTHVNDALNQ</p> <p>HDALGRVLVN LNHPPEEENV FLAPQLARAV KPHQIGGIRF LYDNLVESLE RFKTSSGFGC</p> <p>ILAHSMGLGK TLQVISFIDV LFRHTPAKTV LAIVPVNTLQ NWLAEFNMWL PAPEALPADS</p> <p>KPEEVQPRFF KVHILNDEHK TVASRAKVTA DWVSEGGVLL MGYEMYRLLT LKKSLSRSP</p> <p>KKTKKRSHPV IIDLDEEDRQ QEFRREFEKA LCRPGPDVVI CDEGHRIKNC QASTSQALKN</p> <p>IRSRRRVLT GYPLQNNLIE YWCMVDFVRP DFLGTRQEFS NMFERPILNG QCIDSTPQDV</p> <p>RLMRYRSHVL HSLLEGFVQR RGHTVLKIHL PAKEENVILV RLSQIQRDLY TQFMDRFRDC</p> <p>GTSGWLGLNP LKAFCVCKI WNHPDVLIEA LQKENLANEQ DLDVEELGSA GTSARCPPHG</p>

TKVKGEDSAL PSSMGEATNS KFLQGVGFNP FQERGNNIVT YEWAKELLTN YQTGVLENSP  
KMVLLFHLIE ESVKLGDKIL VFSQSLSTLA LIEEFLGKRD MPCLPGAEGQ GTQKWVRNVS  
YFRLDGSTPA FERERLINQF NDPSNLTTWL FLLSTRAGCL GVNLIANRV VVFDASWNPC  
HDAQAVCRVY RYGQKKPCHI YRLVADYTL KKIYDRQISK QGMSDRVVDD LNPMLNFTRK  
EVENLLHFVE KEPAPQTS LD IKGIKESVLQ LACKYPHLI TKEPFEHESL LLNRKDHKLT  
KAEKKAACKS YEEDKRTSVP YTRPSYAQYY PASDQSLTSI PAFSQRNWQP TLKGDEKPVA  
SVRPVQSTPI PMMPRHVPLS GGVSSASSTN TSMNFPINYL QRAGVLVQKV VTTTDDIVPG  
LNSSTDVQAR INAGESIHII RGTKGTYIRT SDGRIFAVRA TGKPKAPEDG RMAASGSQGP  
SLASTSNGRH SASSPKAPDP EGLARPVSPD SPEIISELQQ YADVAAARES RQSSPSISAA  
LPGPPGQLMD NSTIPGTALG TEPCLGGHCL NSSLLVTGQP SGGRHPVLDL RGHKRKLATP  
SVTQESIRRR SRKGHLPA PV QPYEHGYPVS GGFAMPPVSL NHNLTTPFTS QAGENSLFMG  
SNPSYYQLSN LLADARLVFP VTTDPLVPAG PVSSSSTATS VTASNP SFML NPSVPGMLPS  
YSLPFSQPLL SEPRMFAPFP SPGLPSNLSR GVSVPYGYMS PHAGYPAGGL LRSQVPPFDS  
HEVAEVGFSS NDDKDDDDV IEVTGK

**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 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

## Product Details

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:	ARIP4 (RAD54L2)
Alternative Name:	Rad54l2 ( <a href="#">RAD54L2 Products</a> )
Background:	Helicase ARIP4 (EC 3.6.4.12) (Androgen receptor-interacting protein 4) (RAD54-like protein 2) (Steroid receptor-interacting SNF2 domain-containing protein-like),FUNCTION: DNA helicase that modulates androgen receptor (AR)-dependent transactivation in a promoter-dependent manner. Not able to remodel mononucleosomes in vitro. Acts as an AR-coregulator in Sertoli cells. {ECO:0000269 PubMed:12058073, ECO:0000269 PubMed:16212558}.
Molecular Weight:	162.5 kDa
UniProt:	<a href="#">Q99NG0</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.
Comment:	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

Application Details

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!

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 <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months