

Datasheet for ABIN3081597
**Interferon Regulatory Factor 2 Binding Protein-Like (IRF2BPL)
(AA 1-796) protein (Strep Tag)**



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Overview

Quantity:	250 µg
Target:	Interferon Regulatory Factor 2 Binding Protein-Like (IRF2BPL)
Protein Characteristics:	AA 1-796
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	Strep Tag
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Brand:	AliCE®
Sequence:	MSAAQVSSSR RQSCYLCDLP RMPWAMIWDF SEPVCRGCVN YEGADRIEFV IETARQLKRA HGCFQDGRSP GPPPPVG VKT VALSAKEAAA AAAAAAAAAA AAQQQQQQQQ QQQQQQQQQQ QQQQQQQLNH VDGSSKPAVL AAPSGLERYG LSAAAAAAAA AAAAVEQRSR FEYPPPPVSL GSSSHTARLP NGLGGPNGFP KPTPEEGPPE LNRQSPNSSS AAASVASRRG THGGLVTGLP NPGGGGGPQL TVPPNLLPQT LLNGPASA AV LPPPPPHALG SRGPPTPAPP GAPGGPACLG GTPGVSATSS SASSSTSSSV AEVGVGAGGK RPGSVSSTDQ ERELKEKQRN AEALAESES LRNRAEEWAS KPKMVRDTLL TLAGCTPYEV RFKKDHSLG RVFAFDAVSK PGMDYELKLF IEYPTGSGNV YSSASGVAQ MYQDCMKDFG RGLSSGFKYL EYEKKHGS GD WRLGDLLE AVRFFKEGVP GADMLPQPYL DASCPLPTA LVSLSRAPSA PPGTGALPPA APSGRGAAAS LRKRKASPEP PDSAEGALKL GEEQQRQQWM ANQSEALKLT MSAGGFAAPG HAAGGPPPPP PPLGPHSNRT TPPEAPQNG PSPMAALMSV ADTLGTAHSP KDGSSVHSTT ASARRNSSSP

VSPASVPGQR RLASRNGDLN LQVAPPPPSA HPGMDQVHPQ NIPDSPMANS GPLCCTICHE
RLEDTHFVQC PSVPSHKFCF PCSRESIKAQ GATGEVYCPS GEKCPLVGSN VPWAFMQGEI
ATILAGDVKV KKERDP

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.

Purification:

One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression

Product Details

	System (ALiCE®).
Purity:	> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).
Grade:	custom-made

Target Details

Target:	Interferon Regulatory Factor 2 Binding Protein-Like (IRF2BPL)
Alternative Name:	IRF2BPL (IRF2BPL Products)
Background:	<p>Probable E3 ubiquitin-protein ligase IRF2BPL (EC 2.3.2.27) (Enhanced at puberty protein 1) (Interferon regulatory factor 2-binding protein-like),FUNCTION: Probable E3 ubiquitin protein ligase involved in the proteasome-mediated ubiquitin-dependent degradation of target proteins (PubMed:29374064). Through the degradation of CTNNB1, functions downstream of FOXF2 to negatively regulate the Wnt signaling pathway (PubMed:29374064). Probably plays a role in the development of the central nervous system and in neuronal maintenance (Probable). Also acts as a transcriptional regulator of genes controlling female reproductive function. May play a role in gene transcription by transactivating GNRH1 promoter and repressing PENK promoter (By similarity). {ECO:0000250 UniProtKB:Q5EIC4, ECO:0000269 PubMed:29374064, ECO:0000305 PubMed:17334524, ECO:0000305 PubMed:29374064, ECO:0000305 PubMed:30057031}.</p>
Molecular Weight:	82.7 kDa
UniProt:	Q9H1B7

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:	<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</p>

Application 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!

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.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months